CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Bridge, New York and New Jersey, Port of New York Authority plans selling bonds, takes bids in January or February. Total $16,000,000.

Office, theatre, and garage, Toronto, Ont., Syndicate, % H. F. Williams, having plans prepared, $11,000,000.

Streets, St. Louis, Mo., plans paving, $7,500,000.

Assembly Hall, New York, N. Y., Metropolitan Coliseum, Inc. had plans prepared, $5,000,000.

Sewers, St. Louis, Mo., plans sewers, $5,000,000.

School, Portland, Ore., Columbia University having preliminary plans prepared, $4,000,000.

Copper refining plant, El Paso, Tex., Phelps-Dodge Corp. plans, $3,000,000.

Pulp mill, Aberdeen, Wash., West Lumber & Pulp Co. takes bids about Jan. 20, $2,500,000.

Library, Baltimore, Md., City plans, $2,500,000.

Office, Montreal, Que., S. Wener purchased site and plans, $2,300,000.

Railway, Ontario, Canadian Nat'l. Ry. plans elevating tracks, new station, etc., $1,500,000.

Port improvements, Corpus Christi, Tex., Nueces Co. voted bonds, $1,500,000.

Apartment, St. Louis, Mo., H. B. Ansehl having preliminary plans prepared, $1,000,000.

Gas plant, Kansas City, Mo., Kansas City Gas Co. plans addition, $1,000,000.

Bids Received

Subway, New York, Bd. Transportation, Dec. 21, from Mid East Constr. Co., Brooklyn, $6,942,000.

Hospital, Marcy, N. Y., Dept. Mental Hygiene, Albany, Dec. 21, from Felton Constr. Corp., Buffalo, $1,647,838; heating from Almirall & Co., New York City, $268,991; sanitary work from C. H. Darmstadt, Inc., New York City, $144,807; and electrical work from W. H. Taverner Corp., New York City, $91,000.

School of Commerce, New York, N. Y., Bd. Trustees, College of City of New York, from Kenny Bros., Inc., $1,039,000.

Contracts Awarded

Office and hotel, Toronto, Ont., King-Adelaide Corp., general contract to W. H. Yates Constr. Co. Archts. est. $30,000,000.

Hydro-electric development, Springfield, Mo., Empire District Electric Co., New York City, will build by day labor, total, $25,000,000.

Hotel, auditorium and convention hall, Wash., D. C., R. A. Nordbloom, Boston, to J. A. Stewart Co., Inc., New York City. Archts. est. $4,000,000.

Hotel, New York, N. Y., Park Avenue—Thirty-Ninth Street Corp. to Shroder & Koppel. Archts. est. $3,000,000.

Office and store, Chicago, Ill., Schmidt, Garden & Erickson, archts., to Hegeman-Harris Co. Archts. est. $2,000,000.

School, Mt. Washington, O., St. Gregorys Seminary, to M. J. Roche Constr. Co., Cincinnati, $1,500,000.

Bridge, Melville, La., Texas and Pacific R.R. Co. to Mississippi Valley Bridge & Iron Co., Leavenworth, Kan. Engrs. est. $1,000,000.

School, auditorium, and gymnasium, Chicago, Ill., Sisters of Providence, to W. E. O'Neill Constr. Co. Archts. est. $1,000,000.

Apartment, Baltimore, Md., Gillet Realty Corp. to Consolidated Eng. Co., $1,000,000.

News of the Week

Waterworks

Proposed Work

Miss., Ripley—Voted $48,000 bonds, complete waterworks. H. A. Mentz, Hammond, La., engr. Noted Nov. 17.

O., Kent—Kent Normal School, Ronan & Ingleson, purch. agt., 1614½ North High St., Columbus, plans large water pump, $9,000; also water softener and filtration plant, here, $10,000.

Neb., Lincoln—Country Club of Lincoln, 24th and High Sts., making preliminary plans 10,000 ft. c.i. mains, sprinkling equipment, 2 in. hose, 2 electric motors and pumps, etc. $17,000. Grant, Fulton & Letton, 525 South 13th St., engrs.

Tex., League City—Utilities Constr. Co., A. E. Quay, mgr., making preliminary surveys waterworks, distributing system, water tank on 110 ft. tower. $10,000 (materials).

Tex., Lindale — Voted $55,000 bonds, waterworks, distributing system and pumping unit, etc. Address Mayor.

Tex., San Angelo—Plans waterworks and 4½ m.g. filtration plant. $175,000. Alvord, Burdick & Howson, 6 South Dearborn St., Chicago, Ill., engrs.

Tex., Sweetwater—Takes bids about Jan. 1, improving waterworks, incl. 4,000 ft. earthen dam, 50 ft. high at Cottonwood and Bitter Creeks, tributaries Brazos River, near here. $660,000. Terrell Bartlett Engineers, Calcasieu Bldg., San Antonio, engrs.

Calif., Escondido — Escondido Mutual Water Co. made plans 2,600 lin.ft. 50 in. riveted steel, and 960 lin.ft. 18 x 22 in. riveted steel with ¼ in. penstock, etc. H. Hawgood, H. W. Hellman Bldg., Los Angeles, engr.

Calif., Long Beach—Making plans water distributing system in Belmont Shore Dist. $75,000. A. H. Adams, city engr. Noted June 9.

Calif., Redwood City—East Palo Alto Water Dist. voted $45,000 bonds, domestic water distributing system. G. A. Kneese, Courthouse, Redwood City, engr.

Calif., San Jose—Plans waterworks at Alum Rock Park. $50,000. W. Popp, city engr. Noted Nov. 18.

Ont., Sarnia — Plans extending mains from here to Point Edward. $175,000. W. J. Scott, chn. comr.

Bids Desired

Md., Williamsport — Jan. 16, by Bd. Water Comrs., c.i. bell and spigot water pipe and special castings. Whitman, Requardt & Smith, Baltimore, engrs.; adv. E. N.-R. Dec. 29.

O., Fostoria—Jan. 18, by E. A. Shuman, dir. Pub. Serv., one 3 m.g.d. cross compound pump. J. N. Chester Engineers, Union Bank Bldg., Pittsburgh, Pa.; adv. E. N.-R. Dec. 29.

Ill., Kenilworth—Jan. 16, by Village, pumping station and filter plant. Pearce, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs.; adv. E. N.-R. Dec. 29.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Mont., Great Falls — Jan. 9, by W. H. Harrison, city clk., 2,800 gal. centrifugal pump with synchronous motor and starting equipment. M. E. Morris, city engr.

Mo., Clayton—See "Contracts Awarded."

Calif., Santa Clara — Jan. 9, by A. J. Cronin, city clk., domestic water distributing system. $100,000 or more. H. B. Fisher, Growers Bank Bldg., San Jose, engr.

Bids Received

N. Y., Brewster — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, chlorinating plant, on Peach Lake Outlet, near here, from F. N. Lewis Co., $4,996, and installing chlorine machines scales, etc., from Wallace & Tiernan Co., 1 Mill St., Belleville, N. J., $3,325. Noted Dec. 22.

N. Y., St. George—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Dec. 20, mains in McLean, Ontario and Sea Aves., here, from G. V. Cornell, Rosebank, $95,400. Noted Dec. 15.

Mich., Detroit—Bd. Water Comrs., 176 East Jefferson Ave., Springwells Water Tunnel, Sect. 6, 8,000 ft. concrete cylinder, 14 ft. diam., from J. A. Mercier, 616 Hammond Bldg., $779,901. Noted Nov. 10.

Minn., Minneapolis — F. S. Gram, city purch. agt., Dec. 22, 20 m.g. pump and motor, from Fairbanks, Morse & Co., 417 South 4th St., for Water Dept. $17,962. Noted Dec. 8.

Calif., Redwood City—E. M. Kneese, clk. San Mateo Co., 4, 6 and 8 in. c.i. pipe line in Ravenswood Water Dist., from E. W. Redman, Fresno, $23,178. Noted Dec. 1.

Contracts Awarded

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Elecrictity, Municipal Bldg., mains in Avenue T and Y, Eastern Parkway, Gatling and Kenmore Pls., etc., here, to N. DeStefano, 78 Woodstock Ave., West New Brighton, $33,330. Noted Dec. 15.

N. Y., Long Island City — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in 34th St., here, to Draganette Constr. Co., 1123 Clinton Ave., New York City, $24,480. Noted Dec. 8.

N. Y., Syracuse—Distribution system in Long Branch Water Dist., to Mondo Constr. Co., City Bank Bldg., $28,500.

N. J., Wildwood—City Council waterworks equipment to Otto Engine Wks., 33rd and Walnut Sts., Phila., Pa. $7,225.

Md., Hagerstown — Mayor and City Council, at office Bd. Water Comrs., City Hall, 31,000 ft. 24 in. c.i. pipe line from Potomac River Filtration Plant to here, Contr. 5, to J. W. McLaughlin, Jr., Pittsburgh, Pa., $86,373. Noted Nov. 17.

N. C., Asheville—Trustees Beaver Dam Water & Sewer Dist., at office of Howerton Eng. Co., engrs., 410 New Medical Bldg., water distribution system, 61,259 ft. 6- to 12-in. c.i. and 10,000 ft. 2 in. galvanized wrought iron pipe, and 500,000 gal. rein.-con. reservoirs, etc., to Kelly-Wilson Co., Asheville, $137,564. Noted Dec. 1.

Ia., Maquoketa—Jackson Co., 160 x 20 ft. high truss bridge with sixteen 17 ft. pile trestle approach spans to T. Jensen, Tracy, Minn. $26,372.

See proposal advertising on page 102

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TRADE "LEADITE" MARK

Registered U. S. Pat. Office

Eliminating Repairs and Maintenance Costs

TRENTON WATER WORKS, Trenton, N. J., has been using Leadite for making joints in c. i. bell and spigot water mains for a great many years with entire satisfaction.

They have laid nearly 75 miles of c. i. pipe of various sizes with Leadite joints.

Trenton has very good paved streets and they have never had to dig up a Leadite joint for repairs during all the time they have been using Leadite. They consider this excellent performance for Leadite joints.

They find the use of Leadite has reduced to a minimum repairs and maintenance costs.

Trenton Water Works has always found Leadite joints efficient and economical.

They keep a check on their distribution system by water waste surveys.

During the severe winter of 1917-18 Trenton Water Works had over 2000 frozen services. Many of these services were connected to mains laid with Leadite joints. They had no difficulty in thawing, with electrical apparatus, services connected with mains which were laid with Leadite joints.

Mr. Alvin Bugbee is Superintendent of the Trenton Water Works.

Specify and use **LEADITE** It saves at least 75%

Be sure it is **LEADITE** and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Waterworks (Continued)

Kan., Dexter — Reservoir and general construction work, to Asplund Constr. Co., Enid, Okla., $2,900 and $6,000 respectively; c.i. pipe, to Amer. Cast Iron Pipe Co., 912 Scarritt Bldg., Kansas City, Mo., $6,866; hydrants and valves to Iowa Valve Co., Oskaloosa, Ia., $972, pumping equipment, to Worthington Pump Co., 710 Dwight Bldg., Kansas City, Mo., $710; and water supply, to F. G. Pauly, Winfield, $1,200. Grand total $18,648.

Mo., Clayton—St. Louis County Water Co., 6600 Delmar Blvd., University (St. Louis P. O.), will construct approximately 10 mi. 12 in. mains to serve Kinloch Park, Carsonville, Dunbar and Ramona Park Dists.; also extend mains in various other sections county, by day labor. $150,000. Private plans.

Wash., Soap Lake—City Council, double-pipe system to supply fresh and mineral water form Soap Lake, to J. M. De Blaizo Co., Yakima, $22,766.

Calif., Los Angeles—City Water & Power Comn., 10,000 ft. 4 in. and 20,000 ft. 6 in. standard screw asphaltum dipped pipe, to Haldeman Co., 2220 East 37th St., at $44.37 and $77.30 per C ft. respectively.

Calif., Ventura—Waterworks to C. Fisher, Chamber of Commerce Bldg., Los Angeles, $221,801. Noted Dec. 22.

Ont., Crystal Beach—Bertie Twp. laying 24,000 lin.ft. 4 and 6 in. c.i. mains in section west of here, to F. F. Fry Co. Ltd., 43 Scott St., Toronto, $45,097.

Sewers

Proposed Work

Mass., Melrose—Voted $100,000 bonds, sewers in various streets. Private plans.

Miss., Iuka—Voted $25,000 bonds, sewers in various streets. Palglaze & Basenberg, Birmingham, Ala., engrs. Noted July 21.

Ind., Broad Ripple — Sanitary Comn. making preliminary plans sewerage system, $406,000. C. H. Hurd, 1607 Merchants Bank Bldg., Indianapolis, engr.

Mich., Detroit — Dept. Pub. Wks. made plans 39,449 ft. vitr. crock, concrete and brick sewers, etc. in Laterals 4944, 4957, 4962, 4964, 4965, 4966, 4969, 4970, and 4912. P. A. Fellows, city engr.

Mich., Detroit—Dept. Pub. Wks. making plans McClellan Ave. Regulator and Diversion Chamber, 270 ft. long, rein.-con., incl. two each 24 and 30 in. flap valves, McNulty regulators, etc. $65,000. P. A. Fellows, City Hall, engr.

Ia., Washington—City Clerk takes bids about Feb. 15, extending sewers in Southwest Dist., $150,000; and sewage disposal plant, $50,000. Howard R. Green Eng. Co., Bever Bldg., Cedar Rapids, engrs.

Mont., Missoula — Making plans main trunk, 2 sub-trunk and one intercepting sewers in various streets. $132,961. E. S. Hathaway, city engr.

Mo., Salem—Takes bids in spring sewerage system. $30,000. Alexander Eng. Co., Woodruff Bldg., Springfield, engrs.

Mo., St. Joseph—Rejected bids extending northeast fork Whitehead Sewer, incl. 15,776 ft. 12 to 18 in. vitr. clay and 24 ft. 18 in. c.i. pipe, 42 standard manholes, etc. $55,600; also northeast fork Whitehead Main Sewer, 929 ft. 24- to 36-in. rein.-con. and 360 ft. 12 in. vitr. clay pipe, etc., $8,000. Will readvertise. W. M. Spann, City Hall, engr.

Mo., St. Louis—Bd. Pub. Wks., City Hall, takes bids early in 1928, extending Rock Creek Dist. Sewer, approximately 900 ft. various sized brick, segmental block, or vitr. clay pipe. $90,000. W. W. Horner, City Hall, engr. Noted Sept. 29.

Mo., St. Louis—Plans sewers in various streets. $5,000,000. W. W. Horner, City Hall, engr.

Mo., St. Louis—Making preliminary plans Palm Street Relief Sewer, approximately 1 mi. 12 and 15 ft. rein.-con. and brick pipe, etc. $500,000. W. W. Horner, 300 City Hall, engr.

Ark., Fort Smith—Voted $84,000 bonds, extending and improving vitr. sewers in Rogers and Towson Ave. W. H. Evans, city engr.

Ark., Fort Smith — See "Streets and Roads."

Ark., Fort Smith—Voted $80,000 bonds, sewers in various streets.

Ark., Hot Springs—Oakland Sewer Impvt. Dist. made plans sewer and disposal plant. To exceed $25,000. Black & Veatch, 700 Mutal Bldg., Kansas City, Mo., engrs.

Tex., Marlin — Plans sewage disposal plant, on site on Brazos River. $80,000. Address J. M. Kennedy, mayor.

Okla., Allen—Making preliminary plans sewerage system. $30,000. Engineer not selected.

Okla., Blackwell — Made preliminary plans extending sewers in South Heights Addition. $30,000. W. Ritzhoupt, Blackwell, engr.

Okla., Guthrie—Plans 16,000 ft. 8 and 10 in. vitr. clay sewers in Lateral Dist. 71. $27,200. T. B. Reeder, Guthrie, engr.

Okla., Mooreland—Voted $35,000 bonds, sewers in all streets. E. A. Jones, Enid, engr. Noted Dec. 1.

Okla., Norman—Made preliminary plans sewers in South View addition. $30,000. F. Cobb, Norman, engr.

Okla., Oklahoma City—Plans sewers in Shields Addition. $28,000. B. M. Hart, City Hall, engr.

Okla., Sulphur—Made preliminary plans extending sewers in various streets. $38,500. Engineer not announced.

Okla., Woodward — Plans extending sewers in various residential streets. $25,000. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs.

Wash., Montesano—Voted $43,000 bonds, trunk sewerage system. Noted Dec. 30, 1926.

Calif., Beaumont — Making estimates sewerage system. To exceed $25,000. Koebig & Koebig, Title Insurance Bldg., Los Angeles, engrs.

Calif., Culver City—Defeated $400,000 bonds, improving sewers in Washington Blvd. and adjacent streets. N. B. Haus, city clk.

Calif., Gridley—Plans new sewage unit within area bounded by Spruce on south, Southern Pacific R.R. tracks on east, and city limits on north and west. To exceed $25,000.

Calif., Huntington Park—Making plans vitr. sewers in West Maywood Annex. $25,000 or more. A. H. Bean, city engr.

Calif., Los Angeles—Made plans approximately 1½ mi. cement sewer in Anaheim-Telegraph Rd. between Arizona Ave. and Augusta St., etc., Impvt. 680. $30,000 or more.

Calif., Santa Monica—Plans 10,000 ft. drainage system, etc. H. B. Carter, city engr.

Bids Desired

Md., Baltimore—Jan. 4, by Bd. Awards, sewers and drains in Distrs. H-13 and H-14, Sanitary Contr. 244. M. J. Ruark, 311 Courtland St., sewerage engr.

O., Akron—Dec. 30, by W. F. Peters, dir. Pub. Serv., 2,255 ft. 30- to 36-in. brick or segmental block intercepter sewer in Springfield Lake, $36,900; also 3,010 ft. 60 x 78 in. rein.-con., 435 ft. 8- to 24-in. vitr. clay, and 1,080 ft. 30- to 54-in. brick or segmental block trunk sewer in Elm Hill Park Dist., $127,800. J. E. Root, Municipal Bldg., engr.

Mo., St. Louis — Jan. 24, by Bd. Pub. Serv., 208 City Hall, Sect. B 1, Western Mill Creek Pub. Relief Sewer, 670 ft. 8 and 9 ft. rein.-con. lined open ditch and 2,580 ft. 7 ft. concrete lined tunnel, etc. $208,000. W. W. Horner, 300 City Hall, engr. Noted Aug. 4.

Calif., Los Angeles — Jan. 11, by Los Angeles Co. Sanitation Dist. 2, machinery and equipment for sludge beds, treatment plant at Harborside. A. K. Warren, Law Bldg., engr.

Ont., Toronto—York Twp. soon takes bids 4,300 lin.ft. 8 in. and up vitr. tile sanitary sewers in Cordelia, Louvian and Nioke Aves. $33,135. F. B. Goedile, 40 Jarves St., engr.

Ont., Toronto—York Twp. plans 4,000 lin.ft. vitr. tile sewer in Humber Blvd., $30,000. F. B. Goedike, 40 Jarvis St., engr.

Bids Received

Massachusetts—Sewerage Bd., Fort Ave., Salem, 6,230 lin.ft. 27 x 36 in. and 27 x 28 in. concrete sewer in Danvers, also c.i. pipe in Danversport, from V. Barletta, 8 Whipple Ave., Roslindale, $103,397.

Md., Baltimore — Bd. Awards, Dec. 14, sanitary sewers and storm drains in Sewer Dist. 34, Storm Water Contr. 95, from J. Matriciani, 229 South Exeter St., $61,858. Noted Dec. 8.

O., Akron—W. F. Peters, dir. Pub. Serv., Dec. 16, 3,130 ft. 30- to 66-in. sewer in Mull Ave., from T. E. McShaffrey Constr. Co., 173 South Forge St., segmental block $35,667 or brick $40,437. Engrs. est. $51,900. Noted Dec. 8.

O., Cleveland—Bd. Comrs. Cuyahoga Co., Dec. 14, 18,000 ft. 8- to 30-in. sewer in State Rd., from Nero & Patrick, 11518 Mt. Overlook Ave., segment $85,494, brick $91,214 or concrete $80,644; also 8,000 ft. 12- to 36-in. in Bway., from Ciraci Constr. Co., 3305 Milverton Rd., Cleveland Heights, segment $44,449, brick $45,824 or concrete $44,137. Noted Dec. 8.

Calif., Los Angeles — Sewer, etc., in Sweetzer and Rosewood Aves., from F. H. Brigham, 1528 Point View, $40,755.

Calif., Ventura — Sewers in various streets, from Oakland Sewer Constr. Co., 354 Hobart St., Oakland, vitr. pipe $122,033 or concrete $118,457.

Contracts Awarded

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sewer in Esplanade (east side), to Coddington Ave. Contg. Co., 2883 Coddington Ave., $2,743; Yates Ave., to Anita Constr. Co., 2975 Marion Ave., $6,540; and Murdock Ave., to A. Caserta, $4,169. Grand total $13,452. Noted Dec. 8.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., sewers in West 55th St., to Paulsen Constr. Co., Vestry and Varick Sts., $27,781.

N. J., Newark—Joint Sewer Comn., Union and Essex Counties, City Hall, Sect. 4, Supplementary Joint Trunk Sewer, concrete, for East Orange, Hillside, Irvington, Maplewood, Milburn, Newark, Roselle Park, South Orange, Summit and West Orange, to Paulson Constr. Co., 21 East 40th St., New York City, $209,380. Noted Oct. 27.

Md., Baltimore — Bd. Awards, manhole frames and covers, sewer inlet and similar iron castings to Bureau Water Supply Material Contr. 65, to Amer. Brake Shoe Fdry. Co., Fulton Station, $24,815.

La., Vivian—Sanitary sewer system and disposal plant to Janes Contg. Co., South West Life Bldg., Dallas, Tex., $65,872. Noted Dec. 1.

Tenn., Knoxville—For 7,854 ft. 8 in. concrete sewers in various streets, Lincoln Park, to Murray Constr. Co., Holston Natl. Bank Bldg., $11,473.

Mich., Dearborn—R. H. Erley, engr. and city mgr., River Rouge Sanitary Interceptor, Sect. 2, to J. A. Mercier Co., 616 Hammond Bldg., Detroit. Engrs. est. $100,000.

Ill., Chicago—M. J. O'Brien, clk. Sanitary Dist. of Chicago, 910 South Michigan Ave., North Branch Sewage Pumping Station, Div. BB, to Tully & Costello, 30 North La Salle St., $2,145,000. Noted Nov. 10.

Ill., Marion—Bd. Local Impvts., sewage disposal plant, incl. sedimentation tanks, grit chamber, pump pit, dosing chamber, sprinkling filters, sludge bed, two 350 g.p.m. vertical suction centrifugal pumps, two 7.5 hp. motors, etc., to W. Lough & Son, Marion, $62,578. Engrs. est. $83,027. Noted Sept. 22.

Tex., San Antonio—For 18 in. concrete sewers in approximately 10 blocks Buena Vista St., to Walsh, Burney & Moore, c/o Frost Bldg., approximately $25,000.

Calif., Lemoore—City Clerk, 50 lin.ft. 8 in. and 6,635 ft. 15 in. vitr. outfall sewers in various streets, and pumping plant, etc., to Wheelright Constr. Co., Ogden, Utah, $26,965. Noted Dec. 22.

Calif., Lynwood—Vitr. sewer in Long Beach Blvd., etc. (A and 1 D 17), to Radich & Grancich, 773 North Eastman St., $32,448.

Calif., Santa Monica—For 31,202 ft. 8 in. vitr. clay sewer in Pico and Ocean Park Blvds., 18th to 28th Sts., to Contratto Bros., 327 Cudahy St., Walnut Park, $33,330.

Ont., Toronto—Sewer in Madison Ave., to Natl. Contg. Co., 9 Garnock Ave., $5,380; Avenue Rd., to W. E. Taylor, 22 Falcon St., $10,929; Lorindale Ave., to Kilmer & Barber, 10 Adelaide St. E., $1,007; Strathgowan Crescent and Hilda Ave., to Dileo & Co., 239 Bellwoods Ave., $3,749; and Snowden Ave., to J. H. McKnight Constr. Co., 88 St. Davids Ave., $7,397. Grand total $28,462.

Waste Disposal

Bids Desired

N. Y., New York—Jan. 4, by A. Goldman, comr. Plant & Structures, Municipal Bldg., altering and constructing destructor plant, for Dept. Street Cleaning, 139th St. and Harlem River.

Bridges

Proposed Work

New York and New Jersey—Port of New York Authority, 75 West St., New York City, plans selling $12,000,000 bonds Jan. 5, constructing Bayonne-Staten Island Bridge over Kill van Kull, between Port Richmond, N. Y., and Bergen Point, N. J. Takes bids in January or February piers

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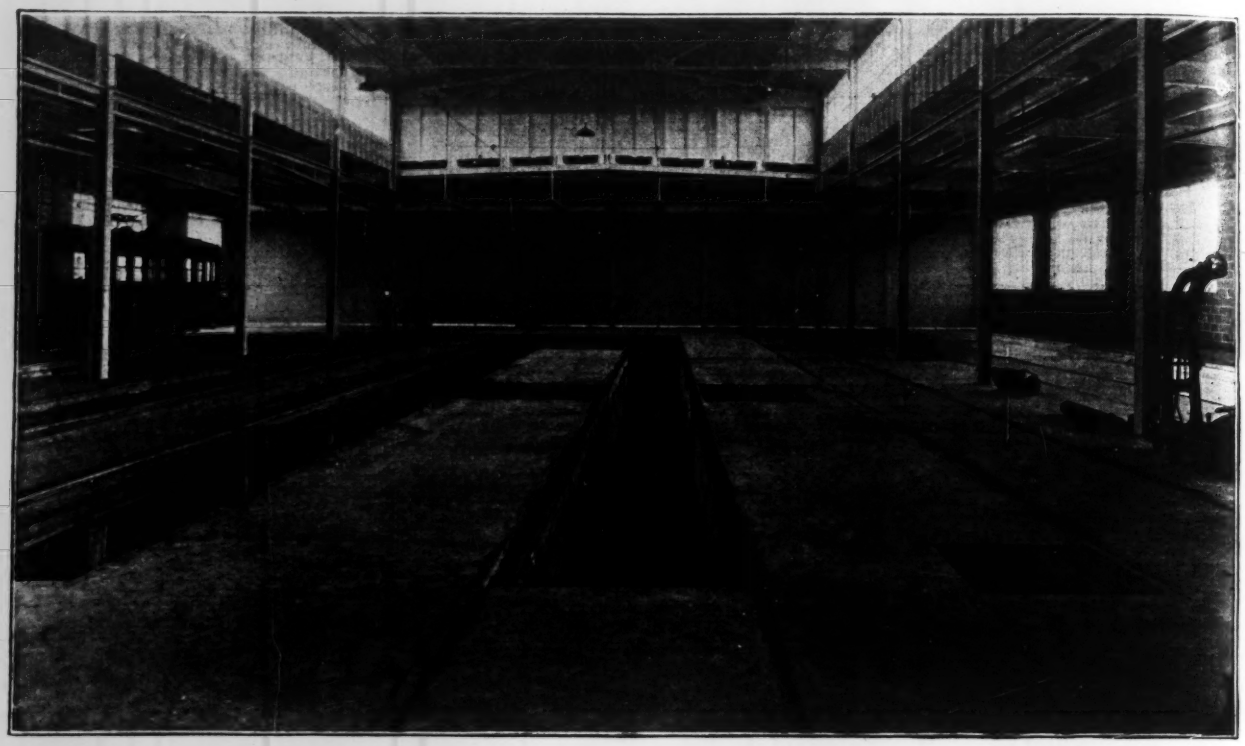
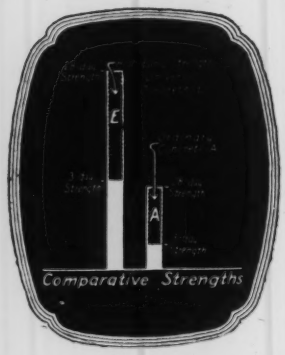


High Strength and Early Use Gained

thru use of High-Early-Strength *Universal Concrete*



High-Early-Strength Universal Concrete is made according to approved methods with the usual materials, usual labor, usual equipment, and usual Universal cement. At 3 *days* its strength is equal to the strength of ordinary concrete at 28 *days*, and in addition it also has a higher *ultimate* strength, and therefore is *permanently* better and stronger concrete. For details, send in the accompanying coupon.

IN BUILDING a new floor in its car barn at Wausau, Wis., the Wisconsin Valley Electric Co. used *High-Early-Strength* Universal Concrete. Here are the advantages gained:

Specifications called for a compressive strength of 2000 lbs. per square inch before putting the floor to use. Concrete as ordinarily placed develops this strength in 28 *days*. The *High-Early-Strength* Universal Concrete tested 1996 lbs. at 3 *days* — a saving of 25 days.

As *High-Early-Strength* Universal Concrete has a much higher *ultimate* strength in addition to a higher *early* strength, the company secured a *permanently* better and stronger pavement [see diagram].

High-Early-Strength Concrete is made without use of special materials at premium prices. It is made according to approved methods with the usual labor, usual materials, usual equipment and usual Universal cement.

High-Early-Strength Universal Concrete may be used on all types of jobs. For full details, send in the accompanying coupon.

Universal Portland Cement Co.
208 South La Salle Street, Chicago

Without obligation, please send me detailed information on methods of securing strong concrete in 3 days with the usual materials and equipment.

Name _____

Address _____

ENR 12-29-27

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for permanence-Universal Cement for durable concrete

Bridges (Continued)

and substructures for same. Total $16,000,000. Noted Feb. 17.

New Jersey—State Hy. Comn., State Bldg., Trenton, making plans 60 ft. span, double leaf bascule bridge over Cape Island Creek. Keller & Harrington, 155 North Clark St., Chicago, Ill., engrs.

Tenn., Big Sandy—State Dept. Highways & Pub. Wks. Nashville, making surveys bridge over Tennessee River, near here Stewart and Henry Counties. C. N. Bass, highway comr.

Tenn., Clarksville — State Dept. Highways & Pub. Wks., Nashville, takes bids about Jan. 9, concrete and steel bridge over Red River, near here, for State Dept. Highways & Pub. Wks., Nashville and Montgomery Co. (Clarksville). To exceed $25,000.

Illinois and Iowa—Syndicate, c/o Rock Island Chamber Commerce, Rock Island, Ill., making preliminary plans rein.-con. and steel toll bridge across Mississippi River, from Rock Island, Ill., to Davenport, Ia. $1,300,000.

Ill., Dixon—City and Lee Co. making preliminary plans rein.-con. and steel bridge across Rock River, on Peoria Ave. $175,000.

Ill., Peoria — Plans bridge over Illinois River, here. Election in spring $1,000,000 bonds, for same. W. E. Backes, City Hall, engr. Associated engineer selected soon.

Wisconsin—Ozaukee Co., W. J. Ubbink, comr., Port Washington, plans concrete bridge at Grafton and one at Saukville. $135,000.

Wis., Shawano—State Hy. Comn., Madison, making plans concrete bridge over Wolf River, here. $236,000. C. H. Kirch, Madison, bridge engr.

Wis., Sheboygan Falls—Sheboygan Co., G. W. Ubbelohde, comr., plans constructing Harmelink, Hilbelink and Andrus Bridges over Onion River, also Kuse Bridge over Pigeon River. $64,000.

Kan. Medicine Lodge—Barber Co. made plans eight 40 ft. concrete deck girder span bridge, on Federal Aid Project 400-A. L. A. Tilton, Medicine Lodge, engr.

Tex., Houston—See "Streets and Roads."

Tex., Memphis—See "Streets and Roads."

Tex., Port Lavaca — See "Streets and Roads."

Tex., San Antonio—Making plans 90 ft. rein.-con. bridge, 40 ft. driveway and 8 ft. sidewalks, over San Antonio River, on Grand Ave. $30,000. I. Ewig, city engr.

Tex., Waco—City, c/o E. E. McAdams, city mgr., made plans and takes bids after Jan. 1, 80 ft. concrete bridge, 60 ft., on North 15th St. $30,000. Noted Aug. 11.

Okla., Anadarko—Caddo Co. making preliminary plans 2 span 160 ft., steel truss bridge over Washita River, near here. $35,000. C. Riggins, Anadarko, engr.

Okla., Cashion—State Hy. Comn., Oklahoma City, making preliminary plans 2 span 160 ft. steel bridge over Cottonwood Creek, near here, Kingfisher Co. $32,000. C. R. Mandigo, Oklahoma City, highway engr.

Okla., Delhi—State Hy. Dept., Oklahoma City, making preliminary plans 3 span 100 ft. rein.-con. bridge over Delhi Creek, on Highway 66, Beckham Co., here. $40,000. C. R. Mandigo, Capitol, Oklahoma City, engr.

Okla., Holdenville—Voted $50,000 bonds, suspension bridge over South Canadian River. C. H. Edge, Holdenville, engr. Noted Apr. 7.

Okla., Nash—Grant Co., 5 span 656 ft. steel truss bridge on piers over Salt Fork River, near here, to Pioneer Constr. Co., Glover Bldg., Kansas City, Mo., $72,680. Engrs. est. $75,000.

Wash., Mount Vernon — Voted $25,000 bonds, concrete viaduct. Total $100,000. Great Northern R.R. Co., J. R. W. Davis, ch. engr., St. Paul, Minn., and Washington State Hy. Dept., Olympia, appropriate toward cost.

Wash., Olympia — Northern Pacific Ry. Co., H. E. Stevens, ch. engr., St. Paul, Minn., soon takes bids steel for 70 ft. steel and concrete bridge over Dechutes Waterway, near here. $75,000. M. F. Clements, c/o owner, bridge engr.

California—State Hy. Dept., Sacramento, appropriated $150,000 funds, bridge over Smith River, on Redwood Highway, Del Norte Co. Del Norte Co. contributes additional $60,000 toward cost. R. M. Morton, Strub Bldg.

Bids Desired

Mass., Cambridge (br. Boston)—Jan. 9, at office L. M. Hastings, city engr., draw bridge over Broad Canal on 3rd St.; adv. E. N.-R. Dec. 29.

N. Y., New York—Dec. 30, by B. M. Patten, comr. Pub. Markets, Municipal Bldg., complete car transfer bridge for Bronx Municipal Terminal Market, on Harlem River.

N. J., Eatontown—Jan. 18, by Bd. Freeholders Monmouth Co., Court House, Freehold, reconstructing 3 bridges on Shore Relief Route, here. G. K. Allen, Jr., 60 Broad St., Red Bank, co. engr.; adv. E. N.-R. Dec. 29.

Pa., Phila.—See "Materials."

Virginia—Jan. 17, by State Hy. Comn., Richmond, bridge on Project S-406-D; over Staunton River, Project F-259-B-2 and over Ogle Creek, Project S-393-B-4; also paving 1.9 mi. Project S-523-A. C. S. Mullen, ch. engr.; adv. E. N.-R. Dec. 29.

Miss., Louisville—Jan. 3, by Comrs. Road Dist. 1, Noxubee River, Naane Warrior and Town Creek Canal Bridges, 76,000 ft. treated and 3,500 ft. untreated timber, 2,400 ft. treated and 300 ft. untreated piling, 32,720 lb. structural steel and 10, lb. reinforcing.

Louisiana—Jan. 12, by State Hy. Comn., Baton Rouge, constructing Lake Lafourche Bridge, on Oak Ridge-Rayville Highway, State Project R-93-B, Morehouse and Richland Parishes. N. W. Bowden, Reymond Bldg., Baton Rouge, highway engr.

Tennessee—Jan. 18, by State Dept. Highways & Pub. Wks., Nashville, concrete and steel bridge over Tennessee River at Perryville, Decatur Co. $900,000, concrete and steel bridge over Red River near New Providence, Montgomery Co., to exceed $25,000 and 2 concrete bridges over Tennessee Creek near Waverly, Humphrey Co., to exceed $25,000. C. N. Bass, highway comr.

Ohio—Dec. 30, by G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus, bridges and approaches in Fayette, Gallia, Geauga, Hancock, Pickaway, Vinton and Washington Counties.

Wisconsin—Jan. 5, by State Hy. Comn., Court House, La Crosse, Hunter Bridge over Black River, on U. S. Highway 53 and State Trunk Highway 35, incl. 58,980 lb. reinforcing and 843,130 lb. structural steel, etc. C. H. Kirch, bridge engr. Noted Dec. 22.

Mo., St. Louis—Jan. 13, by Bd. Pub. Serv., 208 City Hall, 1,750 ft. rein.-con. viaduct, 60 ft. roadway and two 10 ft. sidewalks to carry Arsenal St. over St. Louis-San Francisco R.R. tracks. $531,000. Railroad appropriates $300,000 toward cost. Noted July 14.

Texas—See "Streets and Roads."

Tex., Wharton—Jan. 17, by R. A. Thompson, state highway engr., Austin, 2,523 ft. concrete pile trestle bridge, on State Highway 12, Wharton Co., for State Hy. Dept., Austin. $120,000. J. M. Nagle, Wharton, resident engr. Noted Oct. 6 under "Streets and Roads."

Idaho, Ririe—Jan. 10, by State Dept. Pub. Wks., J. D. Wood, comr., Boise, two 192 ft. steel and three 40 ft. concrete span bridge over Snake River, Swan Valley, east of here, Booneville Co.

Washington—See "Streets and Roads."

Ont., London—Mar. 1, by W. P. Near, engr., City Hall, three 100 ft. span concrete bridge on Dundas St. $125,000. Noted Oct. 27.

Bids Received

Md., Baltimore—Bd. Awards, Dec. 21, 119 ft. span rein.-con. arch bridge over Herring Run, on Mannasota Ave., from H. T. Campbell Sons Co., Towson, $22,785. Noted Dec. 15.

Contracts Awarded

Massachusetts—Boston & Maine R.R., W. J. Backes, ch. engr., Boston, steel bridge at Lowell, and 16 other bridges on Fitchburg Division, to Phoenix Bridge Co., 110 State St., Boston. Engrs. est. to exceed $25,000.

Ga., Jesup — S. B. Slack, bridge engr. State Hy. Dept., East Point, bridge over Altamaha River, to T. T. Sweet, embankment $79,076 to F. M. Jones, piers and trestle $221,060.

La., Melville—Texas & Pacific R.R. Co., E. F. Mitchell, ch. engr. Dallas, Tex., 6 span, rein.-con. and steel railroad bridge across Atchafalaya River, here to Mississippi Valley Bridge & Iron Co., Leavenworth, Kan., engrs. est. $1,000,000. Noted Nov. 10.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, concrete and steel bridge over Richland Creek, Project 180-C, Giles Co., to Montgomery & Parker, Rockport, Ind., $47,514; concrete deck girder bridge over Rich Creek, Project 334-C, Marshall Co., to T. O. Bagley & Co., Fayetteville, $13,099; 6 concrete pile, timber and steel bridges on Project 364, Obion Co., to Peterson & Barnhart, Montgomery, $239,399; concrete and steel bridge over Clinch River, Project 6, Hancock Co., to W. H. Shons Co., Freeport, Ill., $62,104; concrete and steel bridge over Little Tennessee River, Project 8, Monroe Co., to Southern Constr. Co., Birmingham, Ala., $155,481; bridges on Project 324-C, Hawkins Co., to Des Moines Steel Bridge Co., 421 Southwest 4th St., Des Moines, Ia., $56,983; on Bridge Project 214-B, Hawkins Co., to F. V. Ragsdale, Memphis, $58,404; 3 concrete pile bridges on State Road 5, Chester Co., to F. G. Hall, Martin, $32,299; reconditioning and repairing Harahan Viaduct over Mississippi River, Project 300-B, Shelby Co., to Atlantic Bridge Co., Greensboro, $151,899; bridges on Project 195-B, Hawkins Co., to Pittsburgh-Des Moines Steel Co., Des Moines, Ia., $56,984. Grand totoal $874,166. Noted Dec. 1.

Ohio—G. F. Schlesinger, dir. Hys. & Pub. Wks., Columbus, several small concrete bridges on Sect. "O" Ohio River Rd., Gallia Co., to B. C. Patterson, Van Atta, $6,070; grading and concrete arch bridge on Sect. "F-3" Lima-Spencerville Rd., Allen Co., to Roberts Supply Co., Lima, $62,937; grading and small concrete bridges on Sect. "E" Jackson-Gallipolis Rd., Gallia Co., to Hatfield Constr. Co., 418½ 10th St., Huntington, W. Va., $24,723; also grading and constructing 40 ft. twin span concrete bridge on Sect. "L" Chillicothe-McArthur Rd., Vinton Co., to L. S. Gaty, 1544 East Broad St., Columbus, $15,243. Grand total $108,973. Noted Dec. 1.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, bridge on Route 142, Sect. 103-B, Fayette Co., to G. H. Goodlink, Lawrenceville, $16,177; and on Route 64, Sect. 131-B, Du Page Co., to Ferguson Constr. Co., Rockford, $26,463. Noted Sept. 15.

Kan., Clay Center — See "Streets and Roads."

Kan., Girard—See "Streets and Roads."

Kan., Topeka—Shawnee Co., Cooper and Button Creek Bridges, to A. W. Wilson Constr. Co., 1501 North Waco St., Wichita, $18,999 and $19,232 respectively; Reform School, and Tomlinson Bridges, to F. Luttjohann, 2053 Kansas Ave., Topeka, $18,392 and $13,011 respectively. Grand total $69,634. Noted Nov. 24.

Neb., Newport—T. G. Wendel, clk. Rock Co., Court House, Bassett, general contract five 70 ft. pony truss span bridge and willow mattress over Niobrara River, near here, for Keyapaha and Rock Counties to General Constr. Co., 722 Peters Trust Bldg., Omaha $25,820 and $7,000 respectively; also grading and filling, to E. W. Kolterman, 404 Securities Bldg., Omaha, $11,300. Grand total $44,120. Engrs. est. $30,000. Noted Nov. 17.

Missouri — State Hy. Comn., Jefferson City, to M. E. Gillioz, Monett, two 6 ft. concrete slab spans, etc., over creek $905, and two 5 ft. concrete slab spans, etc., at Station 359 plus 27, Bollinger Co. $613, to Koch & McGlone, Calhoun, two 5 ft. rein.-con. slab spans, etc., over creek, Cass Co., to Kelly & Underwood, Granby, two 8 ft. rein.-con. slab spans, etc., on Route 37, Sect. 2-B, Barry Co. $2,101; to Stigall Constr. Co., Springfield, three 30 ft. and one 150 ft. rein.-con. deck girder spans, etc., over Dry Sac River $10,385, three 50 ft. rein.-con. deck girder spans over Ltitle Sac River $12,857, one 8 ft. and two 5 ft. rein.-con. slab spans, etc., over creek $1,564, and two 12 ft. rein.-con. slab spans over Dry Fork $3,706, all foregoing in Greene Co.; to Stonner & Deering, Chamois, four 40 ft. rein.-con. deck girder and one 90 ft. steel truss spans, etc., over Fox River, Clark Co. $19,754; to Fritzan & Hufford, Kansas City, two 30 ft. and one 40 ft. rein.-con. deck girder, also one 84 ft. railroad truss spans, over Fishing River, Clay Co. $16,572; to S. A. Robertson Constr. Co., St. Louis, two 35 ft. and six 50 ft. concrete deck girder and one 225 ft. rein.-con. arch span, etc., over Osage River, St. Clair Co. $73,433, also four 20 ft. concrete slab spans over overflow $9,062; to Pittsburgh Des Moines Steel Co., Tuttle and Southwest 10th Sts., Des Moines, Ia., one 25 ft., one 30 ft. and two 40 ft. I-beam spans over overflow, Dunklin Co. $10,376; and to A. E. Walesby, Jr., Independence, retaining wall on Kansas City-Liberty Rd., Clay Co. $2,591. Noted Dec. 11.

B. C., Savona—Government, Victoria, substructure concrete piers for new bridge over Thompson River, here, to Dawson, Wade & Co. Ltd., Bekins Bldg., Vancouver, $46,573.

Dams

Proposed Work

Mich., Alpena—Alpena Power Co. plans 200 ft. earth fill dam with creosoted timber gates, waste gates to have area 240 ft.

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Creosoted by Republic

Signifies lasting service and economy from wooden structural materials

Whether It's
Wood Block Flooring
Railroad Ties
Poles and Piling
Lumber and Timber

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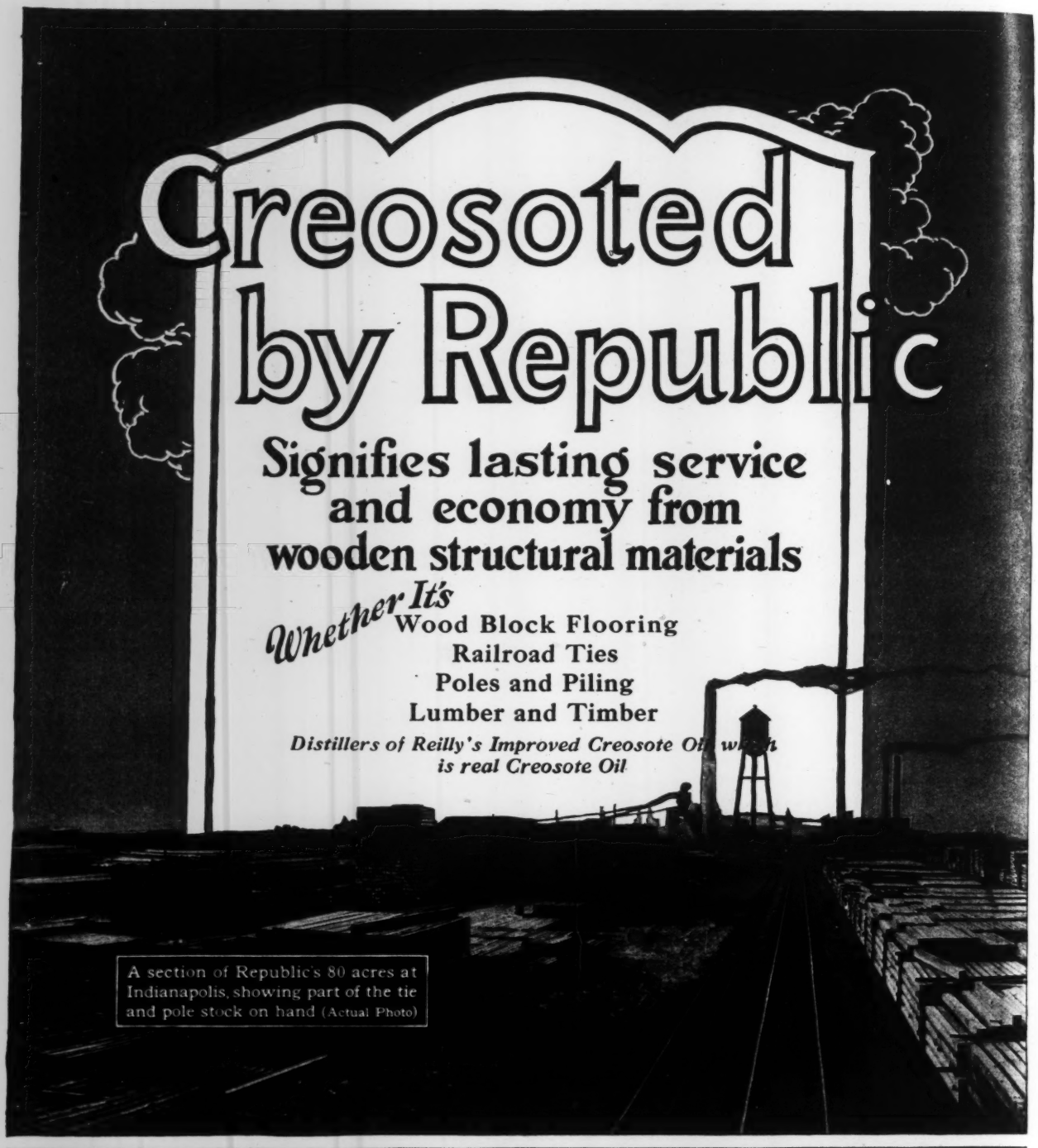

A section of Republic's 80 acres at Indianapolis, showing part of the tie and pole stock on hand (Actual Photo)

Republic Creosoting Co.

The Oldest and Largest Commercial Creosoter

Home Office and Plant Indianapolis Indiana

OTHER PLANTS

ST. LOUIS PARK, MINN. SEATTLE, WASH. MOBILE, ALA. NORFOLK, VA. SALT LAKE CITY, UTAH

Dams (Continued)

at 10 ft. head, over South Branch River. $25,000. Private plans.

Contracts Awarded

Mo., Springfield—See "Unclassified."

Railways

Proposed Work

Ontario—Canadian Natl. Ry., Union Sta., Toronto, T. Irving, ch. engr., plans elevating tracks, building new station, and 3 subways in London. $1,500,000.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Mass., Boston—Boston & Maine R.R., W. J. Backes, ch. engr., plans sea wall and fill solid in dock at Mystic Wharf, and Mystic River. $25,000. Private plans.

Tex., Laredo—J. Armengol making plans developing 1,000 acres land for citrus irrigation project, incl. pumping unit, lines, etc., water pumped from Rio Grande River. $25,000 (mostly equipment). Private plans.

Calif., Culver City—City Council plans petitioning Supervs. Los Angeles Co. (Los Angeles) to appropriate $300,000, deepening Ballona Creek Channel and for flood control. Osborne & Jessup, co. engrs.

Calif., Los Angeles — Plans dredging depths of 13 and 18 ft. at mean low water at Berths 261, 262, 263 along northwest side of Fish Harbor, and to depth 30 ft. at mean low water adjacent to Berth 179 on west side Slip 5, Los Angeles Inner Harbor. To exceed $25,000.

Calif., Turlock—Turlock Irrigation Dist. plans concrete lining 10 mi. canals.

Bids Desired

N. C., Fayetteville—Jan. 5, by Bd. Drainage Comrs. Cumberland Co. D. D. 3 (Sandy Creek), at office Oates & Herring, attys., Fayetteville, drainage system, approximately 173,000 cu.yd. excav. open canals, etc. E. H. Bullard, Fayetteville, chn.

Louisiana—Jan. 10, by State Hy. Comn., Baton Rouge, constructing 14.35 mi. embankment on Baton Rouge-New Orleans (Air Line) Highway, Federal Aid Project 172-A, Unit 1, Ascension and St. James Parishes. N. W. Bowden, highway engr.

Louisiana—Jan. 11, by State Hy. Comn., Baton Rouge, constructing 1,018,000 cu.yd. dredged embankment along Baton Rouge-New Orleans (Air Line) Highway, Federal Aid Project 173-B, St. Charles Parish. N. W. Bowden, Reymond Bldg., Baton Rouge, highway engr.

La., Baton Rouge — Jan. 10, by Police Jury East Baton Rouge Parish, excavating and clearing 20,000 cu.yd. in Baker Canal and repairing bridges on same. F. A. Woods, secy. R. Swart, civil engr.

Ind., Rockville—Dec. 30, by Bd. Directors Lyford Dike & Levee Assn. Park Co. at office H. L. Hancock, Rockville Natl. Bank Bldg., levee and ditch work, required to protect lands and properties located within levee drainage dist. from overflow flood waters of Wabash River, etc.

Mo., Bloomfield—Jan. 4, by A. C. Spiker, engr. D. D. 40, Stoddard Co., known as I. M. Frye et al., Drainage District, constructing ditch, etc., incl. 40,998 cu.yd. excav.

Ont., Lambeth—Jan. 7, by E. S. Hunt, twp. clk., excavating Hampton Drain, 50,000 cu.yd. material, for Westminster Twp. $25,000. F. W. Farncombe, Dominion Savings Bldg., London, engr.

Bids Received

Md., Ocean City — State Roads Comn., Baltimore, Dec. 13, dredging 4,900 ft. channel, 150 ft. wide at bottom, at Sinepuxent Inlet, Contr. Wo-55, Worcester Co., 3 mi. south of here, from Neeld Constr. Co., Oliver Bldg., Pittsburgh, Pa., $92,400.

Minn., Hallock—W. F. Davnie, aud. Kittson Co., Dec. 12, constructing County Ditch 28, 84,580 cu.yd. excav., from M. E. McGraw, Litchfield, at $0.115 per cu.yd. Engrs. est. $16,557. Noted Dec. 8.

Contracts Awarded

N. Y., Brooklyn — M. Cosgrove, comr. Docks, Pier "A," Battery Pl., New York City, constructing bulkhead wall and concrete dump, Hamilton Ave. and Gowanus Canal, here, to Tilt Hargen Co., 90 West Bway., New York City, $112,596. Noted Dec. 8.

Ont., McGillivray—Twp. Council, deepening Aux Sable River, 191,000 cu.yd. excav., to Broderick Bros., Welland, $45,000. Engrs. est. $50,000.

Ont., Port Burwell — Dept. Pub. Wks., Parliament Bldgs., Ottawa, extending concrete breakwater and rubble mound breakwater, here, to Port Arthur Constr. Co., 36 Toronto St., Toronto, $435,584.

Streets and Roads

Proposed Work

Massachusetts—Dept. Pub. Wks., Boston, made plans bituminous macadam paving 5.5 mi. highway in Melrose, Malden, Saugus and Lynnfield; also 2.41 mi. Highway Newburyport and Portsmouth Route, both 30 ft. W. F. Williams, comr.

Massachusetts—Dept. Pub. Wks., Boston, made plans bituminous macadam paving 3.83 mi. highway in Townsend, 24 ft.; 2.64 mi. in Marlboro, 30 ft.; and 5.21 mi. in Bellingham and Franklin, 24 ft. W. F. Williams, comr.

Mass., Milton — Plans reconstructing Adams St. Private plans. $77,000 appropriated.

N. Y., Syracuse—Plans paving Winthrop, Harrington and Hulbert Rds. $125,000. N. F. Pitts, Jr., City Hall, engr.

N. J., Bellmawr (mail Mt. Ephraim) — Boro Council plans concrete paving Park, Adams, Bergen, Union and Carter Aves. $80,000.

N. J., Buddtown (mail Vincentown) — Southampton Twp. Com. plans grading and graveling 6½ mi. Ong's Hat Rd. and Buddtown Rd. $48,826.

N. J., Spring Lake (Spring Lake Beach P. O.)—Boro Council plans concrete paving 4.5 mi. Warren Ave., 20 ft.

N. J., Trenton—Bd. Freeholders Mercer Twp. plans improving Junction Rd., $47,000; Olden Ave., $34,000; Bear Tavern Rd., $93,000; and Hutchinsons Mill Rd., $23,000. H. F. Harris, Trenton, engr.

Pa., Pittsburgh—Plans repaving Water St. between Penn Ave. and Ross St. $100,000. Dept. Pub. Wks., City-County Bldg., engrs.

W. Va., Morgantown—Union Dist. voted $266,000 bonds, improving roads in Monongalia Co. W. S. Price, Morgantown, engr.

W. Va., Princeton—Mercer Co. Court takes bids in February, grading 2 sections Princeton-Glen Lyn Rd. $150,000. C. E. Allen, Princeton, engr.

Miss., Fayette—Jefferson Co. takes bids early in 1928, grading and gravel surfacing, etc., 15 mi. North and South Highway, 18 ft.

Miss., Water Valley — Yalobusha Co. voted $90,000 bonds, grading and graveling, etc. various roads in Beat 1.

Louisiana — State Hy. Comn., Baton Rouge, cancelled bids to have been opened Jan. 12, grading and graveling 7.024 mi. Many-Zwolle-Converse-DeSoto Parish Line Highway, State Project 398-G, Sabine Parish. Noted Dec. 15.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, takes bids about Jan. 15, permanent type paving (probably concrete) 35 mi. Huntingdon-Jackson Rd., Carroll and Madison Counties. C. N. Bass, highway comr.

Ky., Covington—Kenton Co. voted $500,000 bonds, constructing various roads.

Ohio—W. A. Alsdorf, secy. Ohio Good Roads Federation, announced approximately $112,000,000 will be spent during 1928, improving roads. Federal Govt. provides $11,500,000, various counties $10,000,000, property owners by assessment against their property $1,000,000, making total $22,500,000 for reconstruction, resurfacing, maintenance and repair. States total amount from revenues for constructing and repairing will be $36,500,000, remainder to be furnished by townships and other municipalities.

O., Cincinnati—Plans grading, curbing, walks and concrete repaving, etc. 6,700 sq.yd. Sierra St. $43,240. C. O. Sherrill, city mgr.

O., Cleveland—Making plans widening and paving, etc. East 93rd St. from Kinsman Rd. to Miles Ave. $300,000. R. Hoffman, City Hall, engr.

Ind., Crown Point—Lake Co. plans paving road from Illinois state line to Industrial Ave., Gary. $116,000. Address Auditor, Gary.

Ind., Greenfield—Comrs. Hancock Co. plans constructing Deerburg Rd. also bridge, $27,000. G. O. Dunn, Greenfield, aud.

Mich., Pontiac — Oakland Co. making plans 8 in. concrete paving 8 mi. Lascher-Bloomfield Twp. Rd., 20 ft. $400,000. L. V. Belknap, Pontiac, engr.

Mich., Pontiac — Oakland Co. making plans concrete paving 9 mi. White Lake Rd. $450,000, 4½ mi. South Milford Rd. $225,000, and 1 mi. East Maple Rd. $50,000, all 20 ft. L. V. Belknap, Pontiac, co. road engr.

Ill., Chicago—West Chicago Park Comrs., J. J. McComb, secy., making plans grading, curbing, guttering, sewers, and granite block paving 303 sq.yd. and Kentucky rock asphalt paving 86,921 sq.yd. West Jackson Blvd. $610,000. R. A. Carpenter, c/o owner, engr.

Ill., Winchester — Takes bids in spring, grading, curbing and concrete paving, etc. 30,000 sq.yd. various streets. $82,000. W. A. Fuller Co., 1912 Railway Exch., St. Louis, Mo., engrs.

Wis., Fond du Lac — Fond du Lac Co., J. S. McCullough, comr., plans concrete paving 5 mi. Trunk Highway 23, $227,500; also appropriated $200,000, graveling 34 mi. various highways.

Wis., Kenosha — Shawano Co. J. F. Herzog, comr., plans concrete paving 2.3 mi. Trunk Highway 83, $70,700; also appropriated $34,500, graveling 10 mi. various roads.

Wis., Milwaukee—Milwaukee Co., W. F. Cavanaugh, highway comr., appropriated $300,000, aid constructing roads; also plans concrete paving 3.75 mi. Blue Mound Rd., Trunk Highway 15 and Capitol Dr., $342,000.

Wis., Sheboygen Falls — Sheboygan Co., G. W. Ubbelohde, comr., plans graveling, etc. various highways. $72,500.

Wis., Waukesha — Waukesha Co., C. J. Hahn, comr., appropriated $115,000, concrete paving 4 mi. Janesville Plank Rd.; also plans constructing 3.1 mi. county trunk highways, $150,000.

Wis., West Bend — Washington Co., C. Johnson, comr., plans improving 5 mi. Trunk Highway 68, $163,600; also appropriated $50,000, graveling 18 mi. various roads.

Ia., Corydon—Wayne Co. voted $800,000 bonds, grading and 6 in. concrete paving, etc. primary roads. D. L. Thomas, Corydon, co. engr.

Ia., Council Bluffs—Takes new bids in spring concrete, sheet asphalt, brick, asphaltic concrete, or warrenite paving 10,779 sq.yd. Avenue D, South 8th, Hunter, 19th and Euclid Aves. Vitr. brick paving 1,478 sq.yd. approaches to Indian Creek Bridge at Scott St. and Bway., to Wickham Bros., 19 Scott St. $2,506 and vitr. brick on concrete paving 1,000 sq.yd. approaches, 13th St. and Bway., to Wickham Bridge & Pipe Co., 1905 West Bway., $5,209; also 21,151 ft. curbs and gutters on various streets, to J. Langstrom, 715 Stutsman St. Noted Dec. 1.

Ia., Indianola—Warren Co. voted $1,000,000 bonds, improving roads.

Kan., Kinsley—Edwards Co. soon takes bids sand clay surfacing and bridging 8.398 mi. U. S. Rd., 50-S, Federal Aid Project 302-H, 28 ft. A. H. Long, Court House, engr.

Kan., Lyons—Rice Co. made plans grading and sand clay surfacing 10 mi. Project 192, 28 ft. S. Ainsworth, Lyons, engr.

Kan., Oakley—Logan Co., making preliminary plans sand clay surfacing, etc. 24.69 mi. U. S. Rd. 40-S, Project 24, 30 ft.

Kan., Sedan — Chautauqua Co. made plans grading and culverts on 7.077 mi. Federal Aid Project 384-B, 28 ft. C. E. Fesler, Sedan, engr.

Neb., Humboldt — Making preliminary plans grading, curbing, guttering, graveling, etc., various streets. $30,000. Grant, Fulton & Letton, 525 South 13th St., Lincoln, engrs.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, soon takes bid amiesite surfacing 4,600 sq.yd. Euclid Ave. $16,400, 2,030 sq. yd. Botanical St. $14,600, 1,415 sq.yd. Columbia St. $9,350, 6,340 sq.yd. Lafayette St. $43,800, and 1,460 sq.yd. Wise Ave. $10,400; asphalt paving 2,020 sq.yd. Robin Ave. $13,20, 7,735 sq.yd. Pendleton St. $38,700, 4,940 sq.yd. Lucky St. $11,300, 1,365 sq.yd. Garfield St. $10,360; warrenite bitulithic paving 1,110 sq.yd. Marcus Ave. $9,300, 4,780 sq. yd. Enright Ave. $33,600, 3,525 sq.yd. Eller Ave. $24,900, and 6,395 sq.yd. Penrod St. $41,800; shallow granite block paving 7,330 sq.yd. Geraldine St. $53,600; asphaltic concrete paving 5,575 sq.yd. East Iowa, West Iowa, South Gasconade and North Gasconade Sts. $33,900, and 3,910 sq.yd. Carlsbad St. $35,500; vitr. brick paving 3,960 sq.yd. San Francisco St. $25,100, and 1,265 sq.yd. Spring Ave. $8,90; also rein.-con.

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Ingersoll-Rand Portable Compressors and Rock Drills on road-building work

Above: Type 20 Portable Air Compressor
Left: "Jackhamer" Rock Drill

Ingersoll-Rand Portable Compressors are available in six different sizes and on a variety of mountings.

"Jackhamer" Drills can also be obtained in six sizes; hence it is possible to select a compressor-drill outfit for every type of job.

All Ingersoll-Rand tools are economical in air consumption. Various combinations can be operated efficiently by each of the six portable compressors.

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Streets and Roads (Continued)

paving 1,575 sq.yd. Penrose St. $10,100. W. W. Horner, 300 City Hall,. engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, soon takes bids grading and concrete paving 25,134 sq.yd. alleys in City Blocks 4038, 4087, 4812-A, 5829, 6007, 6008, 1567, 1574, 4406-A, 5938, 1819, 1969, 2702, 2704, 2874, 2952, 4390-BS, 4406-B, 4406-C, 4518, 4634 and 4699N. $77,730. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, made revised plans widening Easton Ave. between Leffingwell and Prairie Aves., $482,388; 7th Blvd. between Market and Spruce Sts., $270,686; and Vandeventer Ave. between Market St. and Washington Ave., $516,756. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Plans paving 1,500,000 sq.yd. various streets. $7,500,000. W. W. Horner, City Hall, engr.

Ark., Ft. Smith—Voted $275,000 bonds, paving various streets, $84,000 bonds, sewers, and $50,000 bonds parks and playgrounds, etc.

Ark., Pine Bluff—Preliminary plans grading, curbing and rein.-con., paving, 17th and Georgeia Sts. $90,000.

Texas—State Hy. Dept., Austin making plans grading, bridging and concrete paving 30 mi. Highway 14, in Tarrant, Denton and Wise Counties, 18 ft. $877,751. R. A. Thompson, Austin, state highway, engr.

Tex., Angleton — Brazoria Co. making surveys grading, bridging and concrete paving 10½ mi. road from intersection Highway 58 at Luters Ferry to intersection with highway at Brazoria-Matagorda Co. line via Sweeney West and Hasema. $351,000. Address S. Gaines, Angleton, co. judge.

Tex., Benjamin—Knox Co. making plans grading, bridging and concrete paving 14 mi. Highway 30 from Taylor Co. line to Haskell Co. line, 18 ft. $405,000. R. A. Thompson, Austin, state highway engr.

Tex., Corsicana—Navarro Co. voted $30,000 bonds, grading, surfacing, etc., roads in Dist. 12 between Rice and Ellis Co. line. Address W. Hicks, co. judge.

Tex., Edna—Jackson Co., making plans grading, bridging and concrete paving 22.9 mi. Highway 12, 18 ft. $900,000. A. Hungerford, Edna, resident engr. Noted Sept. 22.

Tex., Georgetown—Williamson Co. making preliminary surveys gravel surfacing 5 mi. Highway 102 from Noack to Clay Rd. Address J. C. Abbott, Georgetown, co. precinct comr.

Tex., Houston—Harris Co. making plans grading, bridging and rein.-con. paving 10.028 mi. Highway 19, Federal Aid Project 519 C, 20 ft. $320,000. A. J. Wise, Houston, co. engr.

Tex., Lefors—Gray Co. making plans grading, bridging and Bates type concrete paving 14 mi. Highway 33, $483,560; also grading, bridging and concrete or asphaltic concrete paving 17.5 mi. Highway 75, $614,130, both 18 ft. C. L. Hasie, Lefors, engr.

Tex., Memphis—Hall Co. voted $25,000 bonds, grading and bridging highway in Turkey Rd. Dist. Address A. C. Hoffman, Memphis, co. judge.

Tex., Port Lavaca—Calhoun Co., c/o E. M. Tanner, co. judge, Port Lavaca, and Refugio Co. (Refugio) T. W. McGull, judge, plan grading and bridging Hug-to-Coast Highway from Long Mott to Guadalupe River, incl. bridge across Guadalupe River. $200,000. A. Schlafli, Port Lavaca, div. engr. Noted Oct. 6.

Tex., San Antonio—Plans grading, curbing and concrete paving, etc., 6 blocks extension North St. Marys St., 40 ft. $50,000. I. Ewig, city engr.

Tex., San Diego—Duval Co. voted $575,000 bonds improving road through county and some laterals. Address G. B. Parr, San Diego, co. judge.

Tex., Wheeler—Wheeler Co. voted $1,000,000 bonds, paving 68 mi. highway through county, 16 mi. State Highway 4 from Collingworth Co. line through Shamrock and Wheeler to Moberly; and 100 mi. lateral road improvements. Address A. C. Wood, Wheeler, co. judge.

Tex., Woodville—Tyler Co. voted $133,000 bonds, constructing various roads. Address H. C. Durham, Woodville, judge.

Oklahoma—State Hy. Comn., Oklahoma City, making preliminary plans concrete paving 21,120 sq.yd. U. S. Road 75, Mayes Co. $48,000. C. R. Mandigo, state highway engr.

Okla., Anadarko — Making preliminary plans grading and 6 in. concrete paving 14,800 sq.yd. Central Blvd. $45,000. Engineer not announced.

Okla., Ardmore—Made surveys 6 in. concrete paving 9,200 sq.yd. various streets, 30 ft. $28,276. S. Mathews, Ardmore, engr.

Okla., Beckham — Making preliminary surveys grading, etc. 11 mi. State Road 15, Beckham Co. $45,000, 9 mi. State Highway 18, Greer Co. $30,000, and 10 mi. State Road 19, Nowata Co. $40,000, all 30 ft. wide. C. R. Mandigo, Capitol Bldg., Oklahoma City, engr.

Okla., Cashion — Plans curbing and graveling 7,000 cu.yd. Main St. $30,000. Engineer not announced.

Okla., Enid—Made surveys 6 in. concrete paving 30,600 sq.yd. streets in Kismer Addition. $97,000. F. C. Magruder, Enid, engr.

Okla., Hooker—Plans grading and paving 5 blocks Main St., 60-76 ft. $41,000. Engineer not announced.

Okla., Oklahoma City—Plans grading and sheet asphalt paving 9,660 sq.yd. 11th and Indiana Sts. $48,460. B. M. Hart, City Hall, engr.

Okla., Oklahoma City — Making plans grading, 6 in. concrete paving, etc. 9,700 sq.yd. South 28th and 29th Sts. $36,000. B. M. Hart, City Hall, engr.

Okla., Oklahoma City — Plans grading, curbing and 7 in. concrete paving 7,600 sq. yd. South 24th St. $29,050. B. M. Hart, City Hall, engr.

Okla., Perry—Making preliminary plans grading and 6 in. concrete paving 11,750 sq.yd. various residential streets. $36,000. C. A. Wood, Stillwater, engr.

Okla., Seminole—Plans grading, curbing and 7 in. concrete paving 7,200 sq.yd. Park Ave., Dist. 16. $31,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Calif., Alhambra—Making plans 5 in. asphaltic concrete paving, etc. 150,000 sq.ft. various streets. O. N. Rugen, city engr.

Calif., Huntington Park—Plans curbing, guttering, 2 in. oil and rock surfacing 1,975 sq.ft. and 5 in. asphaltic concrete paving 71,931 sq.ft. 60th Pl., etc.

Calif., Los Angeles — Los Angeles Co. plans grading, curbing and 5 in. oil macadam paving 766 sq.ft. Slauson Ave., $82,164; curbing, walks and 2 in. oil macadam paving, etc. 65,082 sq.ft. Villa St. $47,362, and 4,707 sq.ft. Pacific Ave. $36,493. G. W. Jones, Hall of Records, engr.

Calif., Monterey Park—Plans 7- to 9-in. concrete paving, etc. 6 mi. Atlantic Ave. and Garfield Blvd.

Calif., San Diego—Plans 2 in. on 4 in. asphaltic concrete paving, etc. 30,515 sq.yd. Bancroft and 32nd Sts., and 15,359 sq.yd. Meade and Ohio Sts.; grading 6 in. concrete paving, etc. 30,269 sq.yd. Boundary, Thorne, and Nile Sts. et al, 10,519 sq.yd. Olivetan St. et al, and 4,455 sq.yd. Teak and South 32nd Sts., et al; also 2 in. Warrenite on 4 in. asphaltic concrete paving, etc. 23,099 sq.yd. Monroe Ave. G. W. Jorgenson, city engr.

Calif., San Mateo—Plans curbing, guttering, walks and paving, etc. streets in Homestead Sanitary Dist. To exceed $25,000. O. F. Weissgerber, city mgr.

Que., Montreal—City plans submitting referendum to ratepayers in January, widening streets, boulevards, parks and playgrounds, also constructing bridges and subways. $27,000,000.

Ont., Strathroy—Middlesex Co. making plans concrete curbing, guttering and concrete paving 2 mi. Main St. $50,000. G. Talbot, County Bldgs., London, engr.

Bids Desired

N. Y., New York—Jan. 6, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., grading, curbing, sidewalks, etc., West 238th St. from Riverdale to Johnson Aves.

N. Y., St. George—Jan. 6, by J. A. Lynch, pres. Richmond Boro, Boro Hall, grading and biutminous concrete paving Washington Ave.

Virginia—See "Bridges."

Florida—Jan. 10, by State Roads Dept., F. A. Hathawa, chn., Tallahassee, surface treating 9.4 mi. Project 669-X, Road 27, Collier Co.; grading, etc. 5.31 mi. Project 707, Road 43, and 11.1 mi. Project 724, Road 66, both Leon Co. J. L. Cresap, highway engr.

Louisiana—Jan. 10, by State Hy. Comn., Baton Rouge, grading 5.36 mi. Bossier City-Coushatta Highway, Federal Aid Project 174-C, Unit 1; also 2 in. Warrenite bitulithic, 2 in. bituminous concrete (modified Topeka type) or 2½ in. sheet asphalt wearing surface on concrete paving 3.863 mi. Bossier City-Coushatta Highway, Federal Aid Project 174-B, Bossier Parish. N. W. Bowden, Reymond Bldg., Baton Rouge, highway engr.

Louisiana—Jan. 12, by State Hy. Comn., Baton Rouge, graveling 5.839 mi. Holloway-Big Island School Highway, State Project 621, Rapides Parish; also grading and concrete, warrenite-bithulithic, shell asphalt, sandstone rock asphalt, cold mixed limestone, rock asphalt or brick on concrete paving 2.367 mi. 21st Ave., Boston, Asia and Columbia Sts. in Covington, St. Tammany Parish. N. W. Bowden, Reymond Bldg., Baton Rouge, highway engr.

Louisiana—Jan. 3, by State Hy. Comn., Baton Rouge, grading and graveling 6.629 mi. Winnfield-Colfax Highway, Federal Aid Project 139-B, Winn Parish. N. W. Bowden, Reymond Bldg., Baton Rouge, highway engr. Noted Dec. 8.

La., Delhi—Jan. 19, by Mayor, grading, graveling and rein.-con. paving 3,985 sq.yd. various streets. C. D. Evans, Levy Bldg., Shreveport, engr. Noted Nov. 24.

Tennessee—Jan. 18, by State Dept. Highways & Pub. Wks., Nashville, graveling, etc. 3.5 mi. Johnson City-Elizabethton Rd., Carter and Washington Counties. C. N. Bass, highway comr.

Ohio—Dec. 30, by G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus, waterbound macadam, bituminous macadam concrete, brick or sheet asphalt paving, etc. 30.542 mi. roads in Allen, Columbiana, Cuyahoga, Geauga, Hardin and Vinton Counties. $1,100,785.

O., Cincinnati—Jan. 3, by C. O. Sherrill, city mgr., City Hall, curbing, grading and sheet asphalt paving, etc., 12,500 sq.yd. 5th St., $114,418; also walks, vitr. brick paving 2,300 sq.yd. and asphaltic concrete paving 12,500 sq.yd. Woodburn Ave., $54,723.

Ind., Auburn—Jan. 3, by Bd. Comrs. De Kalb Co., grading and graveling Harvey Guthrie Highway, Butler Twp. $27,150.

Ind., English—Jan. 2, by Bd. Comrs., Crawford Co., grading and stone paving 4,050 ft. Perry Poe Rd., in Whisky Run Twp., and 10,560 ft. G. W. Morris Rd., Ohio Twp. $28,410. J. Spears, aud.

Ind., Evansville—Dec. 31, by Bd. Comrs. Vanderburgh Co., grading and asphaltic concrete paving First Avenue Rd. $120,364.

Ind., Plymouth—Jan. 3, by Bd. Comrs. Marshall Co., graveling George Staley et al. Rd., $16,779; Jay Gunder et al. Rd., Center Twp., $4,551; and Byron Carpenter et al. Rd., Center and Walnut Twps., $6,066. O. H. Weber, aud.

Ind., Shelbyville—Jan. 4, by Bd. Comrs. Shelby Co., grading and graveling 7,330 ft. John W. Meiks et al. Rd., Marion and Union Twps., $28,049. G. A. Parrish, aud.

Michigan—Jan. 6, by H. C. Fleming, resident engr., 7 Monument Sq. Bldg., Grand Rapids, grading and concrete paving 8.5 mi. M-20 Twin Lakes to Holton, 20 ft., Muskegon Co., for State Hy. Dept., Lansing. $250,000. L. H. Nielsen, Court House, Muskegon, engr.

Ill., Chicago—Cook Co. Highway Dept., 139 North Clark St., taking bids paving 2.3 mi. Southwest Highway, 1.1 mi. Crawford Ave., 2.2 mi. Dempster Ave., 0.6 mi. Devon Ave., and 3.5 mi. Dundee Rd.; widening 1.5 mi. 95th St., 3 mi. Dempster St., 3.9 mi. Waukegan Rd. and 3.5 mi. Euclid-Wilke Rd. G. $40,000-$50,000 per mile. A. Quinlan, supt.

Neb., Humphrey—Jan. 3, by Bruce & Grupe, consult. engrs., 710 Bankers Reserve Life Bldg., Omaha, 6 in. concrete paving 16,000 yd. various streets, here, for City. $45,000. Noted Nov. 17.

Texas — Jan. 16, by R. A. Thompson, state highway engr., Austin **F.A.P. Federal Aid Project)** grading and bridging 12.322 mi. Highway 28, F.A.P. 529 C, Unit 1, Cottle Co., 26 ft., $50,000; concrete paving 139,021 sq.yd. Highway 12 A, F.A.P. 436 B, Unit 2, Webb Co., $300,000; grading and bituminous macadam on sledged stone paving 5.481 mi. Highway 81, F.A.P. 440 F, Unit 2, Gonzales Co., $100,000; also asphalt on Caliche surfacing 3.402 mi. Highway 12 A, F.A.P. 424 H, Unit 2 $45,000, and 5.498 mi. same road, F.A.P. 436 G, Jim Hogg Co., and $40,000, all foregoing 18 ft. wide.

Texas—Jan. 17, by R. Thompson, state highway engr., Austin, grading and bridging 9.831 mi. Highway 12, Federal Aid Project 518 E and F, Unit 1, 26 ft., Wharton Co., $56,000, J. M. Nagle, Wharton, resident engr.; and 9-6-9 in. concrete paving 96,516 sq.yd. Highway 36, Federal Aid Project 433 A, Unit 2, Austin Co., $300,000. H. Schroeter, Belleville, engr. Noted Dec. 22 under "Belleville."

Okla., Tecumseh—Jan. 3, by C. E. Pettigrew, clk. Pottawatomie Co., grading and graveling, etc. 8,600 cu.yd. Road 21. $27,560. J. H. Merkle, Tecumseh, engr. Noted Apr. 14.

Washington—Jan. 10, by State Hy. Comn., Olympia, grading and crushed rock surfacing, etc., 9,870 cu.yd. State Road 10 Chelan Co., and 410 cu.yd. State Road 1, Skagit Co.; also grading, screened gravel ing, etc., 200 cu.yd. approach and constructing 3 span 97.5 ft., rein.-con. T-beam bridge on State Road 10, near Wells, Chelan Co. S. J. Humes, highway engr.

Calif., Arcadia—Jan. 4, by City Trustees, curbing and 4 in. oil macadam paving, etc. 160,000 sq.ft. Lovell Ave. and Holly St., etc.

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Streets and Roads (Continued)

Calif., Los Angeles — Jan. 9, by Bd. Supervs. Los Angeles Co., grading and concrete paving 309,798 sq.ft. Rosencrans Ave. $88,536. G. W. Jones, Hall of Records, engr.

Calif., Los Angeles—Jan. 9, by Supervs. Los Angeles Co., grading and 8-6-6-8 in. concrete paving, etc., 217,489 sq.ft. San Pedro St., Impvt. 610. To exceed $120,000.

Calif, San Diego — Jan. 9, by Common Council, grading, curbing, guttering, walks and 6 in. concrete paving, etc., 220,285 sq. ft. Pescadero Ave., etc. H. W. Jorgensen, city engr.

Bids Received

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., Dec. 21, grading and granite block on concrete repaving Avenue A from East Houston to 10th Sts., from J. Meehan & Son, 90 West St., $130,-962. Noted Dec. 15.

New Jersey — State Hy. Comn., State Bldg., Trenton, Dec. 19, grading, bridging and 8 in. double line rein.-con. paving 47,-702 sq.yd. Route 30, Sect. 6, (Revision 1927) Packers Island-Allerton Rd., Hunterson Co., from S. B. Miller, Inc., 61 Cedar Lane, Teaneck, $400,737. Noted Dec. 15.

Pennsylvania—State Hy. Comn., Harrisburg **(A. means Application and R. Route)**, grading, etc., 505 ft. R. 381, Sect. 2, Berks Co., from Dunleavy Bros. Co., Pennegar Bldg., Coatesville, $7,811; bituminous treated macadam surfacing 23,000 ft. A. 4668, Lebannon Co., from J. C. Showalter, 506 Agricultural Bldg., Lancaster, $78,675; one course concrete paving, etc., 6,200 ft. R. 302, A. 4911, Westmoreland Co., from J. L. Campbell, 320 Weldon St., Latrobe, $48,628, 4,940 ft. R. 169, A. 4156, Monroe Co., from Rudolph & Delano, 302 Peoples Trust Co. Bldg., Tamaqua, $53,331, 12,209 ft. R. 294, Sect. 1, Crawford Co., from Fort Pitt Constr. Co., 207-8 Martin Bldg., Pittsburgh, $125,409, 27,406 ft. R. 348, A. 4908, Westmoreland Co., from Cooper Constr. Co., Clymer, $265,167, 7,756 ft. R. 238, Sect. Spur A, Mercer Co., from Lewis & Frisinger Co., Sharon, $59,954, 8,691 ft. R. 260, Sect. R-2, Blair and Huntingdon Counties, from Juniata Co., 410 Empire Bldg., Phila., $113,747, 10,705 ft. R. 234, A. 4969, Clearfield Co., from Rauch & Kessler, 405 Front St., Northumberland, $93,820, and 15,192 ft. R. 295, Sect. 1, Crawford Co., from J. C. Devine Co., Alliance, O., $160,759. Noted Dec. 1.

Md., Baltimore — Bd. Awards, Dec. 14, sheet asphalt paving 13,430 sq.yd. streets listed Contr. 444, from Amer. Paving Co., Montebello Ave., $58,343. Noted Dec. 8.

Md., Baltimore — Bd. Awards, Dec. 21, sheet asphalt on concrete paving 10,700 sq. yd. streets listed in Contr. 445, from P. Flanigan & Son, Harford Rd. and Baltimore & Ohio R.R. tracks, $44,674. Noted Dec. 15.

Contracts Awarded

N. Y., Lawrence—Bd. Village Trustees, Fire House, rein.-con. paving 3.75 mi. various streets, here, to Andrew Weston Co., Inc., Woodmere, $183,000. Noted Oct. 20.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading and curbing 103rd Ave., to C. Kurth, 9519 126th St., Richmond Hill $7,316; also grading and sheet asphalt paving Hosack St., to Carberry Block Co., 45 South 9th St., Brooklyn $6,342. Noted Nov. 24.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., to F. Mascali, 2500 Colden Ave., grading, etc. White Plains Rd. $3,237, East 229th St. $2,593, and Fenton Ave. $4,037, to F. Gabrielle, 2750 Creston Ave., Jarvis Ave. $4,488 and Wellman Ave. $5,320, to Hanschield Constr. Co., Dudley Ave. $16,926; to Remo Realty Co., 645 East Tremont Ave., Morgan Ave. $8,263, and to T. DiRoma, 32 Evelyn Pl., Furman Ave. $17,632. Grand total $62,496. Noted Dec. 8.

N. J., Eatontown—Bd. Freeholders Monmouth Co. (Freehold), improving Shore Relief Rd., here, to E. C. Earle, Inc., Chelsea Bank Bldg., Atlantic City, $389,672. Noted Dec. 1.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, to T. L. Flanagan, 531 East Girard St., grading Algon and Knorr Sts. $3,439, Bradford and Eastwood Sts. $16,842, and Lawndale St. $697, to Frank Clark Contg. Co., North and Winghocking Sts., Larnette, Charles, Erdrick, Gilham, Greeby, Levick, Passmore, Rebecca, Stirling, Tackawanna and Walker Sts. $69,800, Wenner, Comly, Devereaux, Hasbrook, Higbee, Lardner, Newton, Reach, Robbins, Stearly, Stevens and Vankirk Sts. $29,916, to Duffin Bros., Penn and Wornwroth Sts., Belden and Sishler Sts. $4,230, Burton, Fraley, Glenrock, Larue, Marsden and Simon Sts. $7,447, Erdrick St. $1,125, and McKinley St. $3,733, to J. A. Graham, 2334 South 6th St., Bigler, Cairns, Johnston, Leithgow, Orianna and 4th Sts. $20,511, to J. Herzog, 4313 Old York Rd., Cedarbrook, Fayette, Michener, Pickering, Temple and Williams Sts. $15,094, Gorgas and Forrest Sts. $7,949, to Morrissey Bros., 4336 North Marshall St., Chew St. $14,931, Ellett St. $1,017, and 4th St. $2,479, to R. B. Wenner, 2819 Gorden St., Lexington and Ryan Sts. $25,807, to H. C. Ratzell, Linekiln Pike and Haines St., Upsal St. $2,108, to L. Dolente, 5122 Master St., Mansfield St. $12,833, Smedley, Stenton and 16th Sts. $28,116, and Upsal St. $5,602, to J. F. Malloy, 15 East Mermaid St., Michener St. $5,797, Pickering and Thouron Sts. $2,532, to F. Brannen, 2507 Tasker St., Pike St. $1,599, to J. F. Nolen & Sons, 54 Church Lane, Sparks St. $1,282, to Wilson & Martin, Inc., 1501 North 2nd St., Stanwood St. $276, and to H. C. Ambler, 371 Old York Rd., H and Lycoming Sts. $10,690; to Barber Asphalt Co., 239 North 30th St., asphalt paving (assessment work), Erdrick St. between Princeton and Tyson Sts. $7,156, to Union Paving Co., 123 South 21st St., Erdrick St. between Vankirk and Benner Sts. $15,994, Pickwick St. $2,698, 18th St. $8,797, and asphalt repaving Corliss St. $2,589; to Eastern Asphalt Co., Penna Bldg., asphalt paving (assessment work) Unity St. $3,339, 58th St. $10,980, and improving 66th Ave. (country road) $6,597; to A. J. Henderson, 825 East Washington Lane, vitr. block paving Springer St. $772; and to Lewis Bokser, 1518 North 8th St., paving and repaving certain alleys $5,232. Grand total $406,838. Noted Dec. 8.

Md., Baltimore—Bd. Awards, sheet asphalt paving 7,080 sq.yd. streets listed in Contr. 443, to P. Flanigan & Sons, Harford Rd. and Baltimore & Ohio R.R. tracks, $36,195. Noted Dec. 1.

W. Va., Kenova—Concrete paving Poplar and other streets, to Gerchow & McGinnis, Huntington, $115,000.

Fla., Jacksonville—**Duval Co., bituminous surfacing 8½ mi. Dunns Ave., to W. J. Bryson Paving Co., 239 West Adams St., $35,466.**

Tennessee—State Dept. Highways & Pub. Wks., Nashville, to S. K. Jones, 62 South Front St., Memphis, grading, etc., 11.204 mi. Project 18-B, Shelby Co., incl. 3 bridges over 20 ft. span, $69,070, to Southern Bridge Co., Dyersburg, 1.819 mi. Project 36-G, Shelby Co., incl. 1 bridge over 20 ft. span, $19,462, to R. E. Martin, Carthage, 12.189 mi. Project 121-C, Humphreys Co. $196,384, to Gorrell, Barrow & Kirkpatrick, Russellville, Ky., 10.157 mi. Project 123-E, Putnam Co. $86,600, to W. R. Aldrich & Co., Dyersburg, 12.727 mi. Project 195-B, Carroll Co. $91,078, 4.24 mi. Project 214-A, Chester Co. $47,598, and concrete paving 15.514 mi. Project 302-C, Dyer Co. $235,-151, to A. E. Wood & Co., Andrews, N. C., 5.728 mi. Project 210-B, Knox Co., incl. 2 bridges over 20 ft. span $82,522, to S. H. Hall, Newbern, 11.432 mi. Project 214-B, Madison Co. $104,448, to A. A. Davis & Co., Kansas City, Mo., 17.422 mi. Project 324-B, Hawkins and Greene Counties $376,668, to Calloway & Fisher, Lenoir City, 6.661 mi. Project 372-B, Loudon Co. $61,406, to Jamison Bros., High Point, N. C., 14.134 mi. Project 371-A, Putnam Co., incl. 1 bridge over 20 ft. span $112,572, 4.842 mi. Project 372-A, Loudon Co. $77,874, and 6.466 mi. Project 313-A, Monroe Co. $45,-866; to Southern Paving & Constr. Co., Chattanooga, asphaltic concrete paving 9.976 mi. Project 195-A, Carroll Co., $227,-809. Grand total $1,834,508. Noted Dec. 1.

Tenn., Knoxville—**Grading, asphaltic concrete on concrete paving, etc., 4,850 sq.yd. various streets, to Murray Constr. Co., Holston Natl. Bank Bldg., $46,210. Noted Nov. 24.**

Kentucky — State Hy. Dept., Frankfort, **(F. A. P. means Federal Aid Project and S. A. P. State Aid Project)**, grading, etc., 2.587 mi. Beattyville-Jackson Rd., S. A. P. 29-E, Lee Co., to Maynahan & Turner, Lexington $54,038, 5.382 mi. Glasgow-Burkesville Rd., F. A. P. 116-C, Barren Co., to Ping Bros. Constr. Co., Somerset, $63,437, 3.852 mi. Hartford-Calhoun Rd., S. A. P. 66-A and 4.867 mi. Beaver Dam-Rosine Rd., S. A. P. 66-B Ohio Co., to J. B. Westerfield, Owensboro $31,806 and $31,047 respectively, 26 mi. Morehead-Big Sandy Rd., S. A. P. 49-A, Rowan and Elliott Counties, to Ashland Supply Co., Ashland, $248,195. Grand total $428,523. Noted Nov. 10.

Ohio—G. F. Schlesinger, dir. Hys. & Pub. Wks., Columbus, grading and bituminous macadam paving 6.076 mi. Sect. "F" Painesville-Ravenna Rd., Geauga Co., to R. Strauser, Columbus, $173,382; concrete paving, etc., 0.388 mi. Sect. "Pomeroy" Ohio River Rd., Meigs Co., to Ebersbach Constr. Co., Pomeroy, $32,463; 2½ in. brick paving, etc., 4.77 mi. Sect. "N" and 1.29 mi. Sect. "Hudson" Cuyahoga Falls-Chagrin Falls Rd., Summit Co., to Costigan-Shroyer Co., Akron, $82,502 and $35,239 respectively. Grand total $323,606. Noted Dec. 1.

Ind., Crawfordsville—Montgomery Co., to Vester & Layne, Crawfordsville, concrete paving ½ mi. Shackleford Rd. $12,309, 1¾ mi. Rose Rd. $40,756, and 1 mi. Corn Rd. $24,132; to McCoun Constr. Co., Noblesville, 1½ mi. McClure Rd., $34,630; and to Paddock, Schoen & McCoun Constr. Co., Noblesville, ½ mi. McNamara Rd. $18,525. Grand total $130,352. Noted Nov. 24.

Ind., Evansville — Comrs. Vanderburgh Co. bituminous rock asphalt paving 7 mi. Schmitt Rd., to O. T. Edmonds, Evansville, $141,890.

Ind., Goshen — Comrs. Elkhart Co., graveling John D. Weaver Rd., to Seaman Constr. Co., Goshen, $19,987. Engrs. est. $25,000.

Ind., Indianapolis — Comrs. Marion, Hamilton and Boone Counties, Court House, grading and bituminous asphalt paving 18,812 sq.yd. Carl M. Hume Rd., to Hayes Constr. Co., 1503 West 30th St., $40,170. Noted Dec. 1.

Ind., Wabash — Comrs. Wabash Co., Court House, graveling 4,181 ft. Gilbert Rd., to J. Hatch, Macy, $4,876; and 14,165 ft. Elliott Rd., to B. Hatfield, Wabash, $19,998. Engrs. est. to exceed $25,000. Noted Nov. 24.

Michigan—R. R. Havens, resident engr., Jackson, concrete paving 3.107 mi. FO38-17, C-1, Jackson Co., 20 ft., to State Constr. Div., C. M. Zeigler, supt., Capitol Natl. Bank Bldg., Lansing, for State Hy. Dept., Lansing. $127,541.

Mich., Grand Rapids—**Kent Co., grading Belt Line Rd., to G. P. Scharl, Crathmore Hotel, Engrs. est. $35,000.**

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, grading Route 142, Sect. 103-A, Fayette and Clay Counties, to Higgins-Dyer & Co., Granite City $49,739, and Route 78, Sect. 134-A, Fulton Co., to S. J. Groves & Sons Co., Globe Bldg., Minneapolis, Minn. $31,750; grading and paving Route 145, Sects. 101 and 101-A, also bridges on Route 145, Sects. 101-B and C, Massac Co., to Hamilton-Hoffman Constr. Co., Carbondale, $160,000. Grand total $240,489. Noted Sept. 15.

Ia., Council Bluffs — See "Proposed Work."

Ia., Iowa City—Grading, curbing, guttering and 7 in. rein.-con. paving 12,736 sq.yd. Dubuque Rd., Johnson and Kirkwood Aves., to William Horrabin Contg. Co., Iowa City, $34,803.

Ia., Iowa City—G. R. Dohrer, city clk., 7 in. concrete paving 12,736 sq.yd. various streets, to W. Horrabin Constr. Co., Iowa City, $34,803. Noted Nov. 3.

Kan., Clay Center — Clay Co., grading 2.732 mi. also constructing three 30 ft. deck girder span bridge on U. S. 40 N, Project 92-D, to Yancey Constr. Co., Abilene, $30,-636 and $8,410 respectively.

Kan., Girard — Crawford Co., to Independence Constr. Co., Pittsburg, grading and 3 bridges on 6.093 mi. Rd. K-12, Project 32-C $48,578, grading and 1 bridge 0.028 mi. Federal Aid Project 372, Sect. C $6,686, and bridge 4 mi. from Monmouth, Federal Aid Project 346, Sect. B, $5,435; also to Leggett & Price, Columbus, deck girder span bridge over Boone Creek, $10,-899. Grand total $71,598.

Neb., Wahoo—Vibrolithic concrete paving 15,000 yd. various streets, to Central Bridge & Constr. Co., Wahoo, $40,868.

Missouri — State Hy. Comn., Jefferson City, to Kelly & Underwood, Granby, 24 ft. grading, etc., 0.028 mi. Route 37, Sect. 2-B, Barry Co. $132, to M. E. Gillioz, Monett, 24 ft. grading 3.802 mi. Dongala-Zalma Rd., Ballinger Co. $49,056, to Fritzlen & Hufford, Kansas City, 0.333 mi. Liberty-Holt Rd., Clay Co. $4,407, to Stigall Constr. Co., Springfield, 4.327 mi. Route 13, Sect. 58 $29,225, 4.69 mi. Route 13, Sect. 59 $27,547, and 4.116 mi. Route 13, Sect. 60 $25,853, all foregoing in Greene Co.; to Stonner & Deering Constr. Co., Chamois, 30 ft. grading 3.517 mi. Route 4, Sect. 80 $26,136, and 18 ft. graveling 3.556 mi. Route 4, Sect. 79 $25,-342, Clark Co.; to Pittsburgh Des Moines Steel Co., Tuttle and Southwest 10th Sts., Des Moines, Ia., 12 and 16 ft. graveling 0.95 mi. Route 9, Dunklin Co. $7,423, to S. A. Robertson Constr. Co., St. Louis, 18 ft. graveling 0.55 mi. Route 13, Sect. 40-A, St.

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Streets and Roads (Continued)

Clair Co. $17,312, to Pioneer Constr. Co., Kansas City, 4.315 mi. Route 24, Sect. 48-A $7,753, 2.746 mi. Route 26, Sect. 1-A $4,489, and 2.133 mi. Route 26, Sect. 2-A $7,472, all foregoing in Monroe Co.; also to D. Quinotn, Kearney, Neb., guard fence on St. Louis-Kansas City-Mexico-Jefferson Co. Rd., Boone, Callaway and Montgomery Counties $8,939, and 8,452 ft. Route U. S. 50 and 66, Franklin and Crawford Counties $5,409. Grand total $248,494. Noted Dec. 11.

South Dakota—State Hy. Comn., Pierre, concrete paving, etc., 15,849 sq.yd. Federal Aid Projects 12 and 98, Minnehaha and Lincoln Counties, to Wagner & Erling Co., Sioux Falls, $88,067. Noted Nov. 17.

Texas—State Hy. Dept., Austin, grading, bridging and gravel surfacing 1.856 mi. State Highway 49, State Aid Project 743, 26 ft., Franklin and Red River Counties, to Tibbetts Constr. Co., Joseph Bldg., Ft. Worth, $78,995. Engrs. est. $80,000.

Tex., Amarillo—Two course penetration on gravel paving 6th St. to North 5th St., and portion True St., to J. McKnight, Amarillo, $32,215. Engrs. est. $35,000. Noted Dec. 8.

Tex., Batesville—Zavalla Co., grading, etc. 31.101 mi. Highway 55, State Aid Project 750, 26 ft., to Standifer Bros., Big Wells, $71,940. Engrs. est. $80,000. Noted Dec. 1.

Tex., Mercedes—Rein.-con. sidewalks on various streets, to J. H. Mellon & Co., Mercedes, approximately $50,000; and 2 in. asphalt on rock paving 30 blocks Missouri, Georgia, Vermont, Virginia and Ohio Aves., to W. L. Pearson & Co., Edinburg, approximately $90,000.

Tex., Raymondville — Bitulithic paving approximately 5 blocks 5th, 8th and Kimball Sts., 45 ft., to Southwest Bitulithic Co., c/o Gunter Bldg., San Antonio, approximately $32,000.

Okla., Oklahoma City — Oklahoma Co., grading and sheet asphalt paving 10,560 sq.yd. East 63rd Rd., to Green Constr. Co., 519 West Main St., $27,100. Engrs. est. $30,000.

Okla., Enid—Grading and paving 4 blocks West Oklahoma St., to Brown Constr. Co., Guthrie, $29,471. Engrs. est. $30,000. Noted May 19.

Okla., Seminole—P. Noe, city clk., grading and 7 in. concrete paving 6,700 sq.yd. Dist. 9, to Standard Paving Co., 1742 East 6tn St., Tulsa, $27,731. Engrs. est. $28,000.

Wash., Seattle — Bd. Pub. Wks., grading, 7 in. concrete paving, etc., 20,150 sq. yd. Harrison St. et al., to R. G. Stevenson, 1237 Northlake Ave., $87,973.

Calif., El Centro—J. C. Neale, city clk., grading, guttering and 5 in. asphaltic concrete paving, etc., 93,327 sq.ft. Olive Ave., and asphaltic concrete paving and grading, etc., 240,700 sq.ft. Adams Ave., to Hazard Contg. Co., 2528 Kettner Blvd., $25,895 and $47,835 respectively. Noted Dec. 8.

Calif., Los Angeles—Grading and concrete paving, etc., Pyramid Dr. between Woodrow Wilson Dr. and Tract 1450, to Martter & Bock, 3074 West Pico St., $25,-050; grading, concrete and asphaltic concrete paving, etc., Rita St. between Leghorn Ave. and Van Nuys Blvd., to Gibbons & Reed, 221 East San Fernando Blvd., Burbank, $42,875, Windward and 2nd Aves. Impvt. Dist., to R. A. Wattson, 1026 North McCadden Pl. $636,205. Grand total $704,130.

Calif., Manhattan Beach—Grading and 4 in. National concrete paving, etc., Oak and Elm Sts., etc., to Heinecke Constr. Co., Petroleum Securities Bldg., Los Angeles, $130,480.

Calif., San Diego — Common Council, curbing, walks and 6 in. asphaltic concrete paving, etc., 240,203 sq.ft. Robinson Ave., etc., to D. H. Ryan, 1615 Fern St., $46,731. Noted Nov. 24.

Calif., San Gabriel—Curbing, walks and 4 in. asphaltic concrete paving, etc. 279,-220 sq.ft. portions Main, Pearl Sts., etc. to Hall-Johnson Co., 905 Westminister Ave., Alhambra, $43,335.

Calif., San Mateo—Grading and crushed stone surfacing, etc. 5.2 mi. roadway between South Francisco and Bway. Station, to Granfield, Farrar & Carlin, Hoff St., San Francisco, $107,310.

Calif., San Mateo—Grading and concrete paving, etc., portions Woodside Ave., to N. M. Ball, Porterville, $38,393. Noted Nov. 24.

Calif., Sutter—Sutter Co., macadam paving, etc., 4½ mi. Walton Ave., etc., to Heafey-Moore Co., 344 High St., Oakland, $66,308.

Buildings—Commercial

Proposed Work

N. H., Claremont—THEATRE—Latchis Theatre Co., Main St., Keene, plans 1 and 2 story and basement, brick and steel, Pleasant St., $150,000. Engineer and architect not selected.

Mass., Brockton—HOSPITAL—Brockton Hospital, Centre St., plans additions and reconstruction hospital, Center St. $150,000 or more. Engineer and architect not selected.

Mass., Marlboro—CLUBHOUSE—Knights of Columbus, T. W. McGee, chn. com., 238 Main St., plans clubhouse, Main St. $150,-000 or more. Engineer and architect not selected.

R. I., North Providence (br. Providence) TEMPLE—Roger Williams Lodge, H. N. Wardell, chn. com., having plans prepared by W. Walker & Sons, 49 Weyset St., Providence and takes bids in March, brick and steel masonic temple, Steers Ave. $150,000 or more.

Conn., New Haven—APARTMENTS—Adelman Bros., 432 Ellsworth Ave., having plans prepared by J. Weinstein, Metropolitan Bldg., 125 x 142 ft., Cottage and Livingston Sts. $225,000, 102 x 160 ft., Livingston St. $210,000, and 140 x 142 ft., Linden and Cottage Sts., $250,000, all 3 story, brick, stone and steel.

N. Y., New York—APARTMENT—Hudson Holding Corp., A. G. Quinn, pres., 285 Madison Ave., had plans prepared by E. Roth, 1440 Bway., 9 story, 72 x 80 ft. apartment, 428 East 51st St. $400,000.

N. Y., New York—APARTMENT—Morgan Studios, Inc., 19 West 44th St., had plans prepared by A. E. Poor & R. P. Rodgers, 19 West 44th St., 9 story, 73 x 84 ft., brick and steel; 167 East 78th St. $345,000. Noted Dec. 8.

N. Y., New York — APARTMENT — Seventy-Six Seamon Ave. Corp., c/o Lilien & Lilien, archts., 155 West 72nd St., had plans prepared 6 story, 78 x 80 ft., brick and timber, 72 Seamon Ave. $200,000.

N. Y., New York—APARTMENT—Ten East 96th Street Corp., 100 West 72nd St., c/o A. D'Antona, had plans prepared by R. Candela, 578 Madison Ave., 15 story, brick and steel, 10 East 96th St. $550,000.

N. Y., New York — APARTMENT — M. Torrisi, 231 South 9th Ave., Mt. Vernon, had plans prepared by M. Stern, 924 West End Ave., 5 story, 83 x 135 ft., brick and timber, Barnes Ave. and 234th St. $250,000.

N. Y., New York—APARTMENT—Kanelit Realty Corp., c/o Goldner & Goldner, archts., 141 West 42nd St., had plans prepared 6 story, 87 x 100 ft. apartment, 174th St. and Bryant Ave. $200,000.

N. Y., New York — APARTMENT — A. Campanello, 2931 Holland Ave., had plans prepared by A. R. Perillo, 734 East 227th St., 5 story, 89 x 100 ft. apartment, Lorillard Pl. and 187th St. $160,000.

N. Y., New York—ASSEMBLY HALL—Metropolitan Coliseum, Inc., 1599 Bway., H. J. Fugazy, pres., had plans prepared by T. W. Lamb, 644 8th Ave., 200 x 575 ft. assembly hall, 175 ft. high, 13th Ave. and 55th St. $5,000,000. Noted July 7.

N. Y., New York—GARAGE—Solomon & Kahn, 475 5th Ave., had plans prepared by Gronenberg & Leuchtag, 1385 Bway., 7 story, 75 x 197 ft. garage, 349 West 38th St. $500,000.

N. Y., New York—GARAGE—Hermstar Realty Co., 60 West 190th St., had plans prepared by Maisner & Uffner, 4197 Park Ave., 2 story, 100 x 275 ft. garage, Jerome Ave. and 184th St. $200,000.

N. Y., New York — HOTEL — Randson Realty Co., c/o H. and S. Rodwin, 475 5th Ave., plans 22 story, 75 x 100 ft. hotel, 64th St. between 5th and Madison Aves. $1,400,000. Engineer and architect not announced.

N. Y., New York — THEATRE and STORE—Wilthan Realty Corp., N. M. Schenck, pres., 1540 Bway., had plans prepared by J. Eberson, 200 West 57th St., 3 story, 185 x 204 ft., theatre and store building, 183 East 71st St. $750,000. Noted Apr. 2.

N. Y., Syracuse — APARTMENT — L. Fidler, 1501 East Genesee St., plans apartment, East Genesee St. $400,000. S. D. Sarason, Dillaye Bldg., engr.

N. Y., Syracuse — APARTMENT — I. Garelick, 539 Westmoreland Ave., having plans prepared by Wolfe Markham, Everson Bldg., 4 story and basement, 71 x 97 ft., rein.-con., brick and steel, plain foundation, University Ave. $150,000.

N. J., Bloomfield—APARTMENT—Clinton Arms Apartments, Inc., c/o M. Villanueva, archt., 604 Central Ave., East Orange having plans prepared 4 story and basement, brick and steel, plain foundation, Clinton and Lincoln Aves. $150,000.

N. J., Bridgeton—LODGE and STORES—Fraternal Order of Eagles having plans prepared by T. E. Ash, 1700 Walnut St., Phila., Pa. 3 story, brick lodge and store building, Pearl and Warren Sts., here. $160,000.

N. J., Elizabeth—APARTMENT—Holzberg & Posnock, 160 Elmora Ave., having plans prepared by Kasoff & Flatt, 164 Market St., Newark, 5 story and basement, 80 x 105 ft., brick and steel, plain foundation, Jersey Ave. $240,000.

N. J., Metuchen — APARTMENTS — Owner, c/o M. A. Wolf, archt., 845 Broad St., Newark ,having plans prepared two 3 story and basement, 84 x 85 ft., brick and steel, plain foundations, here. $150,000.

N. J., Montclair—HOSPITAL—Montclair Community Hospital, 120 Harrison Ave., takes bids in February, 3 story and basement, brick and steel hospital. $300,000. W. L. Walker, 103 Park Ave., New York City, archt. Noted Sept. 15.

N. J., Newark — APARTMENT — H. Rosenberg, 85 Keer Ave. having plans prepared by W. E. Lehman, 972 Broad St. 5 story and basement, 90 x 185 ft., brick and steel, plain foundation, 815-29 Elizabeth Ave. $250,000.

N. J., Newark—CLUB—Knights of Columbus, 65 Lincoln Park, receiving competitive sketches (selected list architects) 4 story and basement, brick and steel, plain foundation, 61-67 Lincoln Park. $300,000. Noted July 14.

N. J., Newark—OFFICE—Prudential Insurance Co., Prudential Bldg., plans office building, Washington, Plane, Bank and Academy Sts. $150,000. Engineer and architect's names withheld.

N. J., Trenton — TEMPLE — Crescent Temple takes bids about Jan. 20, limestone masonic temple, Clinton and Wall Sts. $500,000. W. Hankins, 224 East Hanover St., archt., J. O. Hunt, 219 East Hanover St. associated archt. Calvert & Barnes, 2114 Sansom St., Phila., Pa., engrs.

Ala., Birmingham — OFFICE — Protective Life Insurance Co., 2112 1st Ave., W. D. Jelks, pres., having plans prepared by Warren, Knight & Davis, Empire Bldg., 11 story, concrete and steel addition to present 3 story building, 1st Ave. and 21st St. $800,000.

Ala., Selma—HOTEL—Hockenbury System, Inc., 200 North 3rd St., Harrisburg, Pa., plans hotel, Broad St. at Selma or Dallas Sts. $450,000.

La., Monroe—OFFICE—S. D. Hunter, Commercial Bank Bldg., Shreveport, soon takes bids 7 story, brick, steel, stone and rein.-con. office building. $750,000.

Tenn., Memphis — STORE — Bry-Block Mercantile Co., 89 North Main St., having plans prepared by E. L. Harrison, Fidelity Bank Bldg., 6 story and basement, rein.-con., brick and steel, Jefferson and Main Sts. $350,000.

O., Cleveland—SALES and SERVICE—Packard Motor Car Co., 1580 East Grand Blvd., Detroit, Mich., had plans prepared by A. Kahn, Inc., archts. and engrs. Marquette Bldg., Detroit, Mich., 1 and 2 story, 114 x 181 ft., brick, steel and concrete, East 93rd St. and Carnegie Ave. $200,000.

O., Silverton (mail Pleasant Ridge br. Cincinnati P. O.)—MAUSOLEUM—Mausoleum Co., 2826 Werk Rd., having plans prepared by Lovell & Lovell, Chicago, Ill., 1 story and basement, stone, plain foundation, Montgomery St. $300,000.

Ind., Anderson—HOTEL and THEATRE—C. G. Wolf, Wheeling, W. Va., V. U. Young, Gary, and G. Challis, Muncie, having plans prepared by A. M. Strause, 706 Tri-State Bldg., Ft. Wayne, 7 story, 120 x 144 ft., brick and steel, incl. ball room and cafeteria, etc., concrete pile foundation, 12th and Meridian Sts. $750,000.

Ind., Anderson—HOTEL and THEATRE—Owner, c/o A. M. Strauss, archt., 415 Cal-Wayne Bldg., Ft. Wayne, having preliminary plans prepared 6 story and basement, 146 x 175 ft., rein.-con., brick and steel, 12th and Meridian Sts. $700,000.

Ind., Elkhart—HOTEL—Elkhart Hotel Co. having plans prepared by Zimmerman, Saxe & Zimmerman, 212 East Superior St., Chicago, Ill., 9 story and basement, rein.-con., brick and steel addition, Main and Marion Sts. $450,000.

Mich., Detroit—CLUB HOUSE—Detroiter Socialer Turnverein, 1448 Sherman St., having plans prepared by Mildner & Eisen, 224 Hammond Bldg., 3 story and basement, 90 x 190 ft., rein.-con. and brick, plain foundation, incl. swimming pool, East Jefferson Ave. $200,000.

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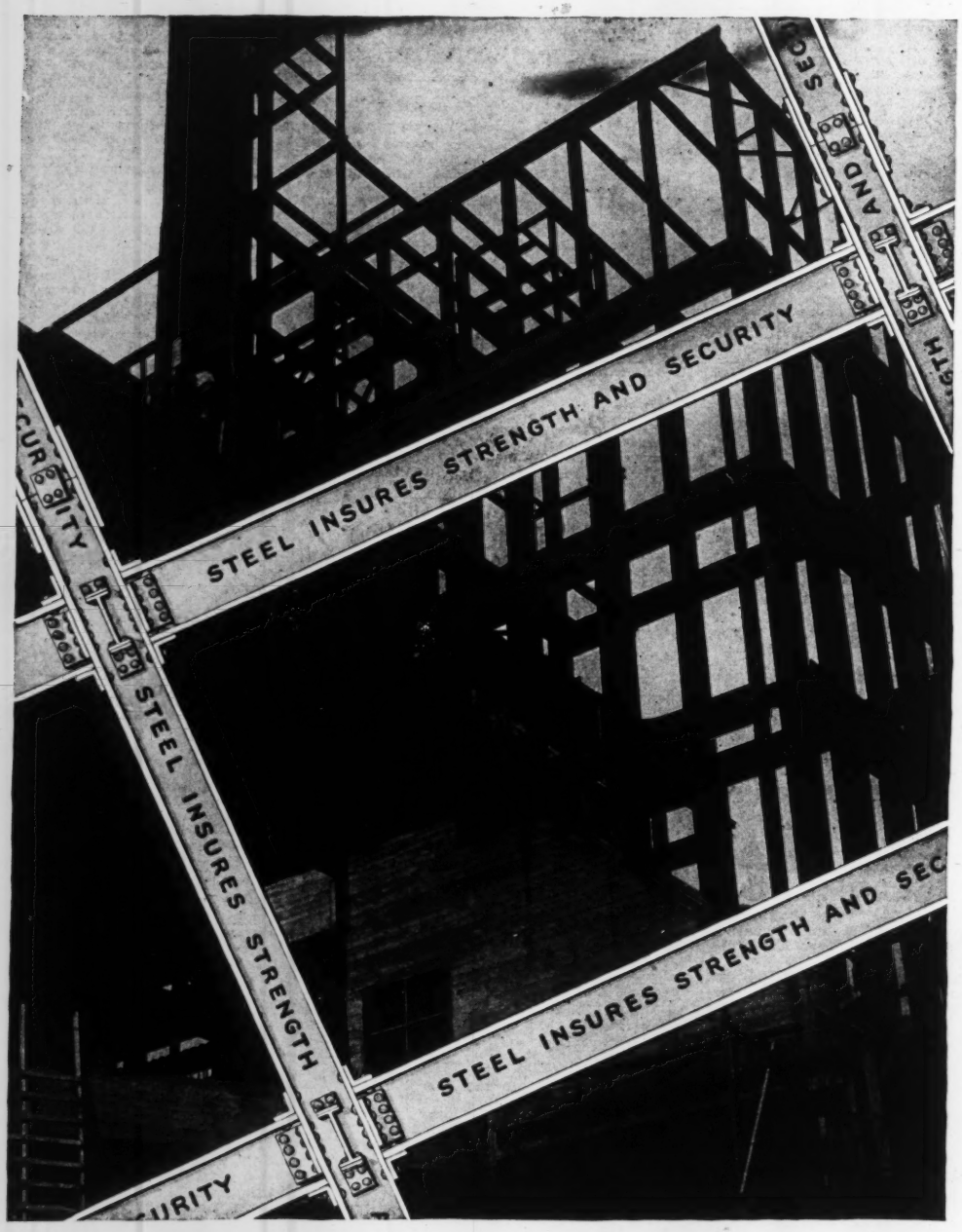

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Buildings—Commercial (Continued)

Mich., Pontiac—APARTMENT—B. Ziff, c/o H. C. Stevens, archt., 602 Bway. Exchange Bldg., Detroit, having plans prepared 4 story and basement, 57 x 155 ft., brick and steel, plain foundation, Premont St. $200,000.

Ill., Chicago — APARTMENT — W. C. Wright, archt., soon takes bids 6 story and basement, 48 x 115 ft., rein.-con., brick and stone, 1939 Lincoln Ave., for Linden Building Corp., c/o architect. $225,000.

Ill., Chicago — APARTMENT — Lincoln Norcott Hall, archt., 7 West Madison St., soon takes bids 6 story and basement, 60 x 137 ft., rein.-con., brick and stone, 6217 Winthrop Ave. $350,000. Owner's name withheld.

Ill., Chicago—POLICE STATION—City having plans prepared by A. E. Robinson, City Hall, 2 story and basement, 88 x 158 ft., brick and terra cotta, Monterey Ave. and Esmond St. $150,000.

Ill., McLeansboro — COURTHOUSE — Hamilton Co. c/o R. Phipps, clk., having preliminary plans prepared 3 story, rein.-con., brick and stone courthouse. $300,000.

Wis., Fort Atkinson—MUNICIPAL—City having plans prepared by Law, Law & Potter, 1 South Pinkney St., Madison, 2 story and basement, 70 x 220 ft., brick and stone, plain foundation. $150,000.

Neb., Fremont — HOSPITAL — H. C. Peterson, archt., 425 Bankers Reserve Life Bldg., Omaha, soon lets contract 4 story and basement, rein.-con. and brick, East Military Ave., for Missouri Synod Lutheran Church, c/o W. Brueggeman, pastor, 428 East 3rd St. $150,000. Noted Oct. 15.

Neb., Hastings—MASONIC TEMPLE—Hastings A. F. & A. M., C. L. Walters, secy., takes bids about Feb. 1, rein.-con., brick and stone, 1,000 seating capacity, 3rd and Hastings Sts. $300,000. Keffer & Jones, 205 Masonic Temple, Des Moines, Ia., archts. Noted Apr. 7.

Mo., Columbia—APARTMENT—F. W. Niedermeyer having preliminary plans prepared by Wallace & Sutter, 923 Rialto Bldg., Kansas City, 4 story and basement, 75 x 115 ft., rein.-con., brick and terra cotta apartment, incl. 30 car garage, University Ave. $250,000.

Mo., Columbia—THEATRE and STORE—Dozier Stone, 414 Exch. Natl. Bank Bldg., soon lets contract general contract 142 x 160 ft. rein.-con., brick and terra cotta, 9th and Locust Sts. $175,000. Boller Bros., 114 West 10th St., Kansas City, archts. Noted Oct. 27.

Mo., Kansas City—EXCHANGE—South Western Bell Telephone Co., Telephone Bldg., plans expending $4,550,000 enlarging buildings, plants, general improvements, etc., during 1928.

Mo., Kansas City—HOTEL—Coronado Hotel Co., 308 Curtice Bldg., had preliminary plans prepared by Defoe & Besecke, 114 West 10th St., 8 story and basement, rein.-con. and brick, 33rd and Main Sts. To exceed $150,000.

Mo., Poplar Bluff—STORE—G. W. Dalton, 421 North Main St., takes bids in spring 3 story and basement, 40 x 120 ft., rein.-con., and brick, Poplar and Main Sts. $165,000. W. H. Klamberg & Co., 317 North 11th St., St. Louis, archts.

Mo., St. Louis — APARTMENT — B. Ansehl, c/o B. Leland & Co., 4101 Lindell Blvd., having preliminary plans prepared by J. L. Bowling, 1198 Arcade Bldg., 12 story and basement, rein.-con., brick and terra cotta, Lindell Blvd. and Sarah St. $1,000,000.

Mo., St. Louis — APARTMENT — F. J. Cornwell Real Estate Co., 111 North 7th St., purchased site and plans 8 story and basement, rein.-con., brick and terra cotta, Lindell Blvd. and Euclid Ave. $450,000.

Mo., St. Louis—APARTMENT—Syndicate forming, c/o J. L. Bowling, archt., 1198 Arcade Bldg., having preliminary plans prepared 8 story and basement, rein.-con., brick and terra cotta, 4200 Lindell Blvd. $500,000.

Ark., Hot Springs—HOSPITAL—Baptist Natl. Hospital, c/o W. Cooksey, having preliminary plans prepared by H. T. McGee, 801 Fidelity Bank Bldg., Memphis, Tenn. 8 story and basement, rein.-con., and brick, on 7 acre tract near here. $250,000.

Tex., Dallas—HOTEL—C. A. Mangold & E. W. Morten, Jefferson Hotel, plans 10 story, brick, stone, steel and rein.-con., Main and Martin Sts.

Tex., Dallas—HOTEL—G. W. Owens & Associates, 3310 Commerce St., plans 5 story, brick, stone and rein.-con., Colorado and Ballard Aves.

Tex. Henderson—COURTHOUSE—Rusk Co., J. T. Watson, judge, having plans prepared by A. C. Gentry, Tyler. 3 story and part basement, 14,000 sq.ft. floor space rein.-con. and brick, plain foundation. $150,000.

Tex., San Angelo—APARTMENT—S. E. Ellzey, Duncan, Okla., had plans prepared and takes bids after Jan. 1, 4 story, 130 x 150 ft., rein.-con., and brick, plain foundation, here. $150,000. Private plans.

Tex., San Angelo—THEATRE—P. & R. Theatres, 2009 Jackson St., Dallas, plans theatre, here. $225,000.

Okla., Enid—OFFICE—Champlin Refining Co. having preliminary plans prepared 4 story and basement, rein.-con. and brick, plain foundation, 4th St. $200,000. Engineer and architect not selected.

Okla., Hobart—COURT HOUSE—Kiowa Co. having preliminary plans prepared 3 story and basement, rein.-con. and brick addition, plain foundation. $175,000.

Okla., Muskogee — HOSPITAL — Baptist Hospital having plans prepared by A. Wood, 2111 Woodward Ave., Detroit, Mich., addition, 16th St. $150,000. Noted Apr. 7.

Okla., Oklahoma City — OFFICE — Athletic Club having plans prepared by Layton, Hicks, Forsythe, Braniff Bldg., 2 story and basement, 50 x 140 ft., rein.-con. and brick, plain foundation, here. $600,000.

Okla., Pawnee — COURT HOUSE — Pawnee Co. having preliminary plans prepared rein.-con. and brick, plain foundation, Hill St. $200,000. Engineer and architect not selected.

Okla., Tulsa—APARTMENT HOTEL—A. E. Aaronson, Court Arcade Bldg., having plans prepared by A. H. Gentry, 438 Dwight Bldg., Kansas City, Mo., 10 story and basement, 100 x 120 ft., rein.-con., brick and steel, plain foundation, 9th and Boulder Sts. $600,000. Noted Nov. 10.

Okla., Tulsa—GARAGE—H. E. Ketchum, 424 East 8th St., having preliminary plans prepared garage, 4th St. $200,000. Engineer and architect not selected.

Colo., Pueblo — STORE and FRATERNAL—I. O. O. F., c/o I. D. Rambo, Masonic Blk., having plans prepared 3 story store and fraternal building, Main St. $200,000. Engineer and architect not announced.

Wash., Seattle—JAIL, etc.—King Co. had preliminary plans prepared by J. E. Blackwell, 1112 Harvard St. N., 7 story, 120 x 180 ft. jail and 175 car garage, etc. $806,000.

Calif., Bakersfield—BANK and OFFICE—Bank of Italy, 1 Powell St., San Francisco, having plans prepared by H. A. Minton, Bank of Italy Bldg., Powell and Market Sts., fireproof bank and office building. $150,000 or more.

Calif., Los Angeles—OFFICE and LOFT—L. Kaufman, c/o K. Macdonald, Jr., archt., Spring-Arcade Bldg., having plans prepared 12 story and basement, rein.-con. and steel, West 6th St. $650,000.

Calif., Marysville—THEATRE—T. & D. Enterprises, Inc., 988 Market St., San Francisco, having plans prepared by Miller & Pflueger, 580 Market St., San Francisco, 2 story theatre, 1,200 seating capacity, 4th and E Sts., here. $150,000 or more.

Calif., Oakland—AUDITORIUM—W. H. Weeks, archt., Hunter-Dulin Bldg., San Francisco, soon takes bids 4 story and basement, rein.-con., East 14th St., for Hospital Building Corp. of Oakland, c/o architect. $250,000.

Calif., Oakland—BANK—Oakland Bank, Oakland Bank Bldg., plans 2 fireproof branch bank buildings. $75,000 each. Engineer and architect not selected.

Calif., Oakland—WAREHOUSE and OFFICE—Langley & Michaels, 50-1st., St., San Francisco, having preliminary plans prepared by H. H. Meyers, Kohl Bldg., San Francisco, 3 story, rein.-con., 9th and Castro Sts. $500,000.

Calif., Riverside — THEATRE, STORE and OFFICE—West Coast Theatres, Inc., Film Exch. Bldg., Los Angeles, having plans prepared by Balch Bros., Film Exch. Bldg., Los Angeles, 2 story, 132 x 182 ft., rein.-con., Market and 7th Sts. $300,000.

Calif., San Bernardino—THEATRE and OFFICE—West Coast Theatres, Inc., Film Exch. Bldg., Los Angeles, having plans prepared by Balch Bros., Film Exch. Bldg., Los Angeles, rein.-con., here. $300,000.

Calif., San Francisco—APARTMENT—A. H. Larsen, archt., 447 Sutter St., preparing plans 5 story and basement, rein.-con., Dolores and 14th Sts. $150,000. Owners name withheld.

Calif., San Francisco—APARTMENT—Lincoln Investment Co., c/o A. H. Larsen, archt., 447 Sutter St., had plans prepared 6 story and basement, rein.-con. and steel, 16th Ave. and Lincoln Way. $150,000.

Calif., San Francisco—STORE—Weinstein Co., Department Stores, 1041 Market St., plans fireproof annexes, Market St between 6th and 7th Sts. To exceed $500,000. Engineer and architect not selected.

Calif., San Francisco—THEATRE—L. R. Lurie, 315 Montgomery St., having plans prepared by O'Brien Bros., 315 Montgomery St., 2 story, 1,500 seating capacity, Chestnut and Fillmore Sts. $150,000. Barron & Nathan, 221 Golden Gate Ave., lessee.

Calif., San Jose — CLUB — San Jose Womens Club having preliminary plans prepared by W. H. Weeks, Hunter-Dulin Bldg., San Francisco, probably rein.-con., West 11th St. $150,000 or more.

Calif., San Luis Obispo—COURTHOUSE and JAIL—San Luis Obispo Co., plans courthouse and jail. To exceed $150,000. Funds will probably be raised via bond issue or direct tax.

Calif., Santa Monica — HOSPITAL — Loamshier Hospital, Princeton St., having plans prepared by F. D. Rutherford, Mills Fraser Bldg., 1 story, brick, steel and rein.-con. annex. $150,000.

Calif., Woodland — HOSPITAL — Yolo Co. plans fireproof hospital. $150,000 or more.

Que., Montreal—OFFICE—S. Wener, 621 Sherbrooke W., purchased site and plans 10 story, 251 x 342 x 495 ft. office, $2,300,000.

Que., Montreal — STORE — Metropolitan Stores Ltd., 483 Talbot St., London, Ont., plans 3 story, 50 x 80 ft., concrete and steel, St. Catherine St. W., here. $150,000. Engineer and architect not selected.

Ont., Arnprior—HOTEL—J. R. Bryne having plans prepared by Richards & Abra, Ottawa, brick and steel hotel. $150,000.

Ont., Orillia—HOTEL—A. Miller, Lakeview Hotel, Sparrow Lake, having plans prepared by Angus & Angus, North Bay, 5 story and basement, concrete, brick and steel, Mississauga and Front Sts., here. $250,000.

Ont., Toronto—OFFICE, THEATRE and GARAGE—Syndicate, c/o H. F. Williams, King Edward Hotel, having plans prepared by E. L. Sheppard, 57 Queen St. W., and C. B. Dolphin, 10 Leader Lane, two 12 story and basement office buildings, 3 story and basement theatre, 3,500 seating capacity, and 2 story garage addition, all rein.-con., brick, steel and stone, Temperance St. $11,000,000.

Ont., St. Catharines—Y. M. C. A. having plans prepared by Nicholson & McBeth, 46 Queen St., and takes bids in March, brick and stone, incl. swimming pools and gymnasium, Bond St. $500,000.

Bids Desired

Mass., Boston—STORE and OFFICE—Price & Charlton, 120 Harrison Ave., taking bids superstructure 6 story and basement, 35 x 100 ft., brick, stone and granite, 26-28 Kneeland St. $150,000. Krokyn & Brown, 220 Devonshire St., archt. M. Linenthal, 333 Washington St., engr.

Mass., Malden (br. Boston)—APARTMENT—I. Rosenfield, c/o C. F. Springall, archt., 84 Sprague St., taking bids 5 story and basement, brick, plain foundation, Pleasant St. $150,000. Noted Dec. 22.

Conn., West Haven (br. New Haven) — APARTMENT—See "Contracts Awarded."

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. J., Bloomfield—APARTMENT—Glen Ridge Apartments, Inc., A. Lipton, pres., 24 Branford Pl., Newark, taking bids general contract 4 story and basement, 110 x 165 ft., brick and steel, plain foundation, 186 Ashland Ave. $175,000. Kasoff & Flatt, 164 Market St., Newark, archts. Noted Dec. 15.

N. J., Ridgewood — THEATRE, STORE and OFFICE—See "Contracts Awarded."

Md., Baltimore—OFFICE—Jan. 4, by W. G. Beecher, archt., 12 East Pleasant St., 2 story and basement, irregular shaped, brick and stone, 21st St. and Guilford Ave. for State of Maryland Motor Vehicles, E. Austin, comr., Saratoga and St. Paul Sts. $160,000.

D. C., Wash.—EXCHANGE—Jan. 5, by Chesapeake & Potomac Telephone Co., 723 13th St. N. W., general contract addition (main office) telephone building. $800,000. MacKenzie, Voorhees & Gmelin, 1325 H St. N. W., archts.

O., Cincinnati — APARTMENT — O. Schwartz, archt., 301 Provident Bank, taking bids 3 story and basement, 100 x 165 ft., brick, plain foundation, Harrison St., for C. W. Broeman, 1004 Atlas Bank. $200,000.

Mo., St. Louis — APARTMENT — See "Contracts Awarded."

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—AMERICA NEEDS MORE GARAGES IN HER CITIES—

GARAGING TRUCK FLEETS
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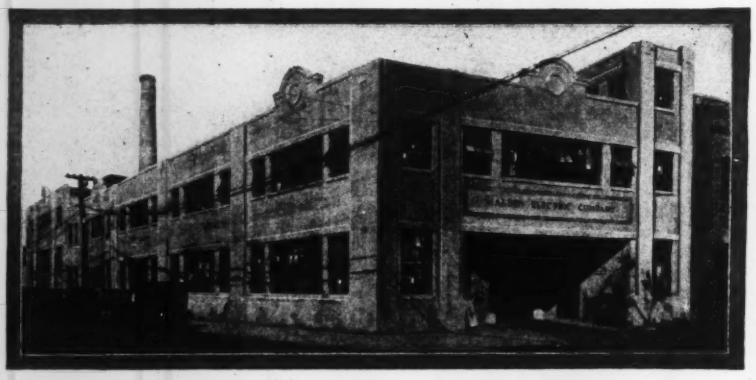

The 115 car Garage of the Malden Electric Company, Malden, Mass., erected to house their fleet of trucks and service cars.

Designed by
CHARLES H. TERREY & Co.
Architects
Boston, Mass.

BECAUSE convenient location and high land values go hand in hand, such GARAGES must be multi-floor buildings. Ramps make it inexpensive to utilize upper floors for garage purposes—and d'Humy Motoramps (patented) so economize on floor space as to make the car berth layout most efficient.

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—AMERICA NEEDS MORE GARAGES IN HER CITIES—

GARAGE ENGINEERS
CONSULTANTS ON PROMOTION AND GARAGE MANAGEMENT

RAMP BUILDINGS CORPORATION

21 East 40th Street New York, N. Y.

Buildings—Commercial (Continued)

Tex., Eastland—COURTHOUSE—Jan. 9, by Eastland Co., c/o G. S. Prichard, judge, 5 story and basement, brick, stone, steel and rein.-con. courthouse. $300,000. Lang & Witchell, 300 Amer. Exch. Bldg., Dallas, archts. Noted Nov. 24.

Calif., Los Angeles—CAFETERIA—C. F. Plummer, archt., Story Bldg., taking bids 2 and 3 story, rein.-con., South Bway., for Schaber Cafeteria Co., c/o architect. $200,000.

Calif., San Francisco—APARTMENT—A. H. Larsen, archt., 447 Sutter St., taking bids 6 story and basement, steel and rein.-con., 16th Ave. near Lincoln Way, for Lincoln Investment Co., c/o archt. $180,000. Noted Dec. 22.

Contracts Awarded

Mass., New Bedford—BANK—Merchants Natl. Bank, Wilham St., altering and constructing 1 and 2 story and basement, rein.-con., brick, steel and granite addition, plain foundation, Wilham St., to W. Young, 122 Union St. Archts. est. $150,000.

R. I., Westerly—FIRE STATION—Town, c/o C. W. Campbell, chn. building comn., 2 story and basement, 75 x 105 ft., rein.-con. and granite, plain foundation, Broad St., to T. H. Morrison, 12 Chestnut St. Archts. est. $150,000. Noted Dec. 1.

Conn., Hartford—HOTEL—C. Pope, 87 Fairmount St., will build 7 story, 45 x 115 ft. brick, stone and steel, Lewis St. $250,000. R. A. D'Avino, 647 Main St., archt.

Conn., New Britain—BUSINESS—B. C. Porter Sons, 224 Main St., 6 story steel and brick, mercantile store addition, Main St., to Carlson & Torell, 37 Jefferson St., New Britain. Archts. est. $150,000. Noted Nov. 24.

Conn., West Haven (br. New Haven) — APARTMENT—N. Spadoni, 169 Elm St., will build 3 story, 60 x 120 ft., brick and steel, Elm and 4th Aves., $150,000. Noted Nov. 3.

N. Y., New York—APARTMENT—Halcon Constr. Co., 3470 3rd Ave., will build 6 story, 80 x 126 ft. apartment, Sedgwick Ave. and Fordham Rd. $250,000. Work will be done by separate contracts. Springsteen & Goldhammer, 40 East 49th St., archts.

N. Y., New York—APARTMENT—Garden-Prospect Building Corp., 1313 Webster Ave., will build 6 story apartment, Garden St. and Prospect Ave. $225,000. Work will be done by separate contracts. G. Swiller, 4215 3rd Ave., archt.

N. Y., New York—APARTMENT—Hirco Constr. Co. will build 6 story, 92 x 100 ft. apartment, Jessup Ave. and 170th St. $300,000. Work will be done by separate contracts. C. Kreymborg, 2534 Marion Ave., archt.

N. Y., New York—APARTMENT—Jesmul Constr. Co. will build 6 story, 94 x 100 ft. apartment, Jessup Ave. and 170th St. $180,000. Work will be done by separate contracts. Private plans.

N. Y., New York—APARTMENT—Corporation, c/o W. L. Bottomley, archt., 112 East 55th St., 14 story and basement, 50 x 90 ft., brick and steel, 93 East End Ave., to Whitney Co., Inc., 101 Park Ave. Archts. est. $600,000.

N. Y., New York — HOTEL — Park Avenue-Thirty-Ninth Street Corp., 31 story, 123 x 155 ft. hotel, 39th St. and Park Ave., to Shroder & Koppel, 420 Lexington Ave. Archts. est. $3,000,000.

N. Y., Syracuse — APARTMENT — Meadowbrook Apartment Corp., 2 story and basement, apartment, Meadowbrook Rd. to J. D. Taylor Co., 115 South Salina St., $150,000.

N. J., Asbury Park—APARTMENT and STORE—L. Rosenbaum, Bradley Beach, will build 3 story and basement, 85 x 100 ft., brick and steel, plain foundation. $150,000. Work will be done by separate contracts. Siegler & Greenberg, 164 Market St., Newark, archts. Noted Dec. 15.

N. J., Camden—BANK—First Camden Natl. Bank & Trust Co., W. E. Bennett, chn. building com., 3 story, mezzanine and basement, rein.-con., brick and stone, plain foundation, Bway. and Cooper St., to Irwin & Leighton, 1505 Race St., Phila., Pa. Noted Dec. 1.

N. J., Passaic—APARTMENT—Passaic Securities Co., 641 Main Ave., will build three 3 story and basement, brick and steel, plain foundation, 24-50 Summer St. $375,000. Work will be done by separate contracts. Preiskel & Skvarla, 591 Main Ave., Passaic, archts. Noted Dec. 1.

N. J., Ridgewood — THEATRE, STORE and OFFICE—North Oak Impvt. Co., North Broad St., will build 3 story and basement, brick and steel, plain foundation, Oak St. and Franklyn Ave., here. $500,000. Work will be done by separate contracts. P. Vivarttas, 110 48th St., Union City, archt. Noted Sept. 22.

Pa., Phila. — LOFT — M. A. Bernhardt, archt., 127 South 18th St., 10 story and basement, 64 x 67 ft., rein.-con., brick and steel, plain foundation, 22 North 7th St., to Cramp Co., Dencker Bldg., for Southern Bookbinding Co., 22 North 7th St. Noted Dec. 8.

Md., Baltimore — APARTMENT — Gillet Realty Corp., c/o Wyatt & Nolting, archts., Keyser Bldg., Warrington Apartments, 12 story and basement, 133 x 156 ft., rein.-con., brick, steel and stone, 3908 Charles St., to Consolidated Eng. Co., 20 East Franklin St., $1,000,000. Noted Nov. 10.

D. C., Wash. — HOTEL, AUDITORIUM and CONVENTION HALL—R. A. Nordbloom, pres. City Central Corp., 30 Federal St., Boston, Mass., 500 room hotel, auditorium and convention hall, 15th and H Sts. N. W., here, to J. A. Stewart Co., Inc., 17 East 42nd St., New York City. Archts. est. $4,000,000.

Ala., Montgomery—HOSPITAL—Bd. Directors Southern Methodist Church, 3 story, 60 x 75 ft., 2 story, 50 x 80 ft., and 1 story, 25 x 60 ft., brick and stone buildings, to Algernon Blair, 11 South Lawrence St. $160,000.

Tenn., Memphis—UNIVERSITY—University of Tennessee, pharmacy building and library, both brick, to W. W. Wessell Constr. Co., 388 North Front St. Archts. est. $350,000. Noted Dec. 1.

Ky., Louisville—APARTMENT and GARAGES—L. Jacobson & Sons, (owner, contractor, engineer and architect), will build 3 story and basement, 150 x 176 ft., rein.-con. and brick, apartment and garages, Bonnycastle Ave. and Spring Dr. $200,000. Noted Dec. 22.

O., Marion — THEATRE, STORE and APARTMENT — Young Amusement Co., Gary, Ind., general contract 1 story and basement, 120 x 153 ft., brick, steel and concrete theatre, store and apartment building, here, to D. W. McGrath & Sons, 255 East Broad St., Columbus, O. Archts. est. $400,000. Noted Nov. 3.

Ind., Indianapolis—APARTMENT—Moynahan Co., 710 Union Title Co. Bldg., general contract 7 story and basement, 60 x 81 x 169 ft., rein.-con., brick and steel, 3727 North Meridian St., to T. A. Moynahan, 710 Union Title Co. Bldg. Archts. est. $205,000.

Ind., Indianapolis—GARAGE—Embassy Realty Co., general contract 3 story and basement, 90 x 140 ft., rein.-con., brick and steel, Pennsylvania and 30th Sts., to Cartmell-Burcaw-Moore, Inc., 540 North Meridian St. Archts. est. $150,000.

Ind., Indianapolis—HOTEL—W. E. Bayfield, Hotel Majestic, Chicago, Ill., general contract 8 story and basement, 70 x 77 ft., rein.-con., brick and steel, Market and Capitol Sts., to W. P. Jungclaus, 825 Massachusetts Ave. Archts. est. $250,000. Noted Dec. 1.

Ind., Kokomo — COURT HOUSE and WAR MEMORIAL — O. Butcher, aud. Howard Co., general contract 3 story and basement, 100 x 150 ft., rein.-con., brick and steel, Public Sq., to English Bros., Champaign, Ill., $453,980; heating and plumbing, to Atlantic Plumbing & Heating Co., St. Louis, Mo., $38,938. Noted Nov. 24.

Ind., Terra Haute—OFFICE and STORE—Cherry St. Co., general contract 2 story and basement, 141 x 150 ft., brick, steel and stone, Cherry St. between 6th and 7th Sts., to L. E. Waterman, Terra Haute. Archts. est. $150,000.

Mich., Ann Arbor—BANK and OFFICE—First Natl. Bank, Main and Washington Sts., general contract 5 and 10 story and basement, 45 x 124 ft., rein.-con., brick and steel, plain foundation, Main St., to Corrick Bros., 507 Owen Bldg., Detroit. Archts. est. $300,000.

Mich., Battle Creek—EXCHANGE and OFFICE — Michigan Bell Telephone Co., Cass Ave., Dertoit, 2 story and basement, 74 x 148 ft., rein.-con., brick and steel, plain foundation, East Main St., here, to A. J. DeKoning, 539 West Vine St., Kalamazoo. Archts. est. $150,000.

Mich., Detroit—HOTEL—S. Plotkin, 640 Lafayette Bldg., 11 story and basement, 201 x 225 ft., rein.-con., brick and steel, plain foundation, East Jefferson Ave., to Otto Misch Co., 159 East Columbia Ave. Noted Oct. 6.

Mich., Detroit — OFFICE, THEATRE and GARAGE—A. Kahn, archt., 1,000 Marquette Bldg., general contract 25 story office building, 10 story garage, and 5,000 seating capacity theatre, all rein.-con., brick and steel, caisson foundation, West Grand Blvd., to H. C. Christman Burke Co., 315 Stevens Bldg. Noted Nov. 17.

Mich., Pontiac—OFFICE and GARAGE—A. Riker, c/o Dr. Riker, West Huron St., 10 story and basement office, and 5 story garage, both rein.-con., brick and steel, plain foundations, West Huron St., to Shelden Constr. Co., 548 Buhl Bldg., Detroit. Noted Dec. 8.

Ill., Chicago — APARTMENT — W. C. Bannerman & Co., 77 West Washington St., masonry contract 24 story and basement, 44 x 135 ft., steel, brick and stone, 1430-32 Lake Shore Dr., to Lind Constr. Co., 6400 South State St. Archts. est. $1,000,000. Noted Dec. 1.

Ill., Chicago—APARTMENT—M. L. Bein, archt., 64 West Randolph St., masonry and concrete contract 8 story and basement, 82 x 150 ft., rein.-con., brick and stone, 1117-1123 North Dearborn St., for Syndicate, c/o architect, to Wahl Constr. Co., 3310 Belmont Ave.; plumbing, to J. Schiller & Co., 1512 West Roosevelt Rd.; and heating, to Adelman Heating Co., 3324 5th Ave. Archts. est. $1,000,000. Noted Dec. 1.

Ill., Chicago—APARTMENT—P. F. Reynolds, 8 South Dearborn St., general contract 22 story and basement, 128 x 172 ft., steel and Indian limestone, wood pile foundation, 1500 Lake Shore Dr., to Turner Constr. Co., 228 North La Salle St. Archts. est. $3,000,000. Noted Sept. 22.

Ill., Chicago — GARAGE — R. Woodley, 1642 East 55th St., masonry contract 3 story and basement, 50 x 146 x 301 ft., 5610-42 Stoney Island Ave., to Vogtberg Constr. Co., 251 West 79th St. Archts. est. $350,000.

Ill., Chicago — OFFICE and STORE — Schmidt, Garden & Erickson, archts., 104 South Michigan Ave., general contract 16 story and basement, and 8 story in rear, 110 x 182 ft., brick, steel, granite and terra cotta, 16-30 West Washington St., to Hageman-Harris Co., 431 North Michigan Ave., for Syndicate, c/o architects. Archts. est $2,000,000. Noted Dec. 15.

Ia., Iowa City—HOTEL—W. J. Harter, 417 East Bloomington St., Iowa City, and P. S. Doyle, 836 2nd St., Ft. Madison, 7 story, rein.-con., brick and terra cotta, Dubuque and Burlington Sts., to J. H. Huntzinger Constr. Co., Iowa City. Archts. est. $400,000. Noted Dec. 15.

Kan., Wichita — THEATRE — Hartman Investment Co., 3211 East Douglas St., 2 story and basement, 103 x 160 ft., rein.-con., brick and stone, Douglas and Hillside Sts., to G. H. Siedhoff Constr. Co., Broadview Hotel Bldg. Archts. est. $150,000.

Neb., Wilber—COURT HOUSE, etc.—J. M. Korbel, clk. Saline Co., 3 story and basement, 70 x 100 ft., cnocrete, steel and stone, plain foundation, Court High St., to F. Swanson, McCook, $187,144. Noted Nov. 24.

Mo., Kirkwood — APARTMENT — McG. Mitchell, Saum Apartments, St. Louis, 3 story and basement, 71 x 92 ft., rein.-con., brick and terra cotta, 15,500 sq.ft. floor space, Bodley St. and Kirkwood Rd., here, to Pomeroy Constr. Co., 6226 Oakland St., St. Louis. Archts. est. $150,000.

Mo., St. Louis—APARTMENT—V. H. Rhodes, 6635 Delmar Blvd., 8 story and basement, rein.-con., brick and stone, Belt and Cabanne Aves., by day labor. F. G. Avis, 1019 Big Bend Rd., archt. Noted Nov. 17.

Mo., St. Louis — COMMERCIAL — Stix, Baer & Fuller Dry Goods Co., 6th St. and Washington Ave., 6 story and basement, 79 x 182 ft., rein.-con., brick and stone, Laclede Ave., to Boaz-Kiel Constr. Co., Ambassador Bldg. Archts. est. $750,000.

Wash., Seattle—HOTEL—Hillcrest Investment Co., c/o C. F. Mahon, archts., Lyon Bldg., 10 story and basement, 75 x 120 ft., concrete, steel, brick and terra cotta, 4th and Spring St., to A. D. Belanger, Everett. Archts. est. $500,000.

Calif., Bakersfield—HOSPITAL—F. E. Smith, clk. Kern Co., general contract 3 story, brick, steel and concrete annex, to Currie & Dulgar, Kern County Land Bldg., $143,600. Noted Nov. 17.

Calif., Burbank—STUDIO—First Natl. Productions, Inc., frame and stucco studio buildings, rein.-con. film storage buildings, etc., to Austin Co. of California, 777 East Washington St. Archts. est. to exceed $150,000. Noted Sept. 2, 1926.

Calif., Los Angeles—APARTMENT—J. & J. W. Yoakam, 6 story and basement, rein.-con. and steel, South Mariposa Ave., to Pasadena Building Corp., 955 Colorado St., Pasadena, approximately $250,000.

Calif., Los Angeles — APARTMENT — J. Bane, c/o F. W. Stevenson, Spreckels Theatre Bldg., San Diego, rein.-con., to Simpson Constr. Co., 915 Bank of Italy Bldg., Los Angeles, $225,000. Noted Nov. 17.

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Buildings—Commercial (Continued)

Calif., Los Angeles — HOTEL and APARTMENT—Dalton Investment Co., 7 story and basement, 95 x 135 ft., rein.-con., Western Ave., to C. L. Peck, Inc., H. W. Hellman Bldg.

Calif., Los Angeles—STORE and OFFICE—G. L. Eastman, 318 Hollywood Security Bldg., rein.-con., Hollywood Blvd., to Simpson Constr. Co., Bank of Italy Bldg., approximately $175,000.

Ont., Toronto — GARAGE and SHOWROOM—A. D. Gorrie & Co., 354 Victoria St., masonry and concrete contract 3 story and basement, 150 x 150 ft., concrete and brick, to Thompson Bros., Ryrie Bldg.; reinforcing, to Baines & David, 98 Esplanade E. Archts. est. $200,000.

Ont., Toronto — OFFICE, STORE and GARAGE — Robins Ltd., Natl. Bldg., general contract 2 story and basement, 80 x 160 ft., rein.-con., brick and steel, plain foundation, Bay and Bloor Sts., to M. De Joncheere, 72 Ostend Ave. Archts. est. $150,000.

Ont., Toronto—OFFICE and HOTEL—King-Adelaide Corp., c/o H. F. Williams, King Edward Hotel, general contract 2 office buildings, one 28 story and basement, 84 x 175 ft. and other 14 story and basement, 112 x 414 ft. with 38 story tower, also 28 story and basement, 82 x 238 ft., 900 room hotel, steel, brick and stone, concrete foundations, Jordan St., to W. H. Yates Constr. Co., 95 King St. E. Archts. est. $30,000,000.

Buildings—Industrial

Proposed Work

Vt., Rutland—GARAGE and REPAIR SHOP—Bardwell Hotel, N. J. Nicklaw, mgr., soon takes bids 1 story, rein.-con., brick and steel, plain foundation $40,000. A. H. Smith, Gryphon Bldg., archt.

Mass., Boston — POWER HOUSE and HEATING PLANT — City, Dept., Pub. Buildings, having sketches made by Desmond & Lord, 1 Beacon St., 1 story, brick and steel, plain foundation, outside jail, Charles St. $100,000.

Mass., Worcester — SALES, SERVICE GARAGE and REPAIR SHOP — Demers Bros. Co., 91 Grafton St., soon takes bids 1 story and basement, 100 x 100 ft., brick and steel, plain foundation, Green and Grafton Sts. $50,000. J. Rustigian, 16 Norwich St., archt.

Conn., Norwalk—FACTORY—Ballinger Co., archts., 100 East 42nd St., New York City, preparing revised plans 2 story, 128 x 143 ft., brick, Hoyt St., here, for E. H. Hotchkiss Co., 6-12 Hoyt St. $75,000. Former bids rejected. Noted Nov. 24.

N. Y., Brooklyn—LOCK FACTORY—Segal Lock & Hardware Co., 155 Leonard St. having plans prepared lock factory. Wolcott and Sullivan Sts. To exceed $50,000. Lockwood-Greene & Co., 100 East 42nd St., New York City, engrs.

N. Y., Rochester — GARAGE — Shoen Bros., 68 Genesee St., plans garage, 408 Brown St. Foote & Carpenter, Baptist Temple Bldg., archt. $40,000.

N. J., Bergenfield—BAKERY—Foerster Bakers, Inc., 207 North Washington Ave., having plans prepared by McCormick Co., Inc., 41 Park Row, New York City, 3 story and basement, 100 x 270 ft., brick and steel, plain foundation, South Washington and Rutland Aves., $150,000.

N. J., Elizabeth—GARMENT FACTORY—Owner, c/o J. B. Beatty, archt., 15 North Reid St., having plans prepared 3 story and basement, 40 x 155 ft., brick and steel, plain foundation, 7th, High and Marshall Sts. $50,000.

N. J., Perth Amboy — TERRA COTTA FACTORY—New Jersey Terra Cotta Co., 2 Catherine St., plans 2 story and basement, brick and steel, plain foundation, Catherine St. $60,000. Engineer and architect not selected.

Ala., Birmingham — FACTORY — Long-Lewis Hardware Co., Smith Park, soon takes bids 2 story, 140 x 200 ft., brick and concrete factory, and 1 story storage building in rear above. $150,000. Denham, Vankeuren & Denman, Age-Herald Bldg., archts.

O., Cleveland—LAUNDRY—Menk Bros. Damp Wash Co., C. G. Menk, mgr., 643 East 103rd St., having plans prepared by H. M. Morse & Co., Finance Bldg., 1 and 2 story, brick and steel addition, 643 East 103rd St. $40,000. Noted Aug. 4.

O., Dayton — FACTORY — Master Electric Co., Linden Ave., plans 3 or 4 story and basement brick factory. $200,000.

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O., Steubenville—STRIP MILL—Wheeling Steel Corp. plans strip mill. $500,000.

Ind., Anderson—FACTORY—Delco-Remy Corp. of General Motors, C. E. Wilson, genl. mgr., plans 120 x 400 ft. assembly plant, and 150 x 150 ft. foundry, rein.-con., brick and steel, Noble St. and Belt R.R. tracks. $800,000.

Mo., Kansas City—GAS PLANT, etc.—Kansas City Gas Co., 910 Grand Ave., plans additions to buildings; also extending gas mains, during 1928. $1,000,000.

Tex., Arlington — FACTORY — Southern Ornamental Iron Wks., c/o T. C. Anderson, vice pres., 2425 South Harwood St., Dallas, had plans prepared 1 and 2 story, 100 x 317 ft., brick and rein.-con., Cooper St. $60,000. Private plans.

Tex., Brownsville — PACKING PLANT—Texas Citrus Fruit Growers Assn., c/o J. O. Shary, pres., Mission, plans 2 story, citrus packing plant, brick and concrete, here. $60,000.

Tex., El Paso — COPPER REFINING PLANT — Phelps-Dodge Corp., 99 John St., New York City, plans copper refining plant, on 5,580 acre site in Ascarate Grant, near here. $3,000,000. Private plans.

Tex., Los Fresnos (mail Brownsville)—COTTON GIN—Delta Impvt. Co., c/o E. E. Couch, Weslaco, having preliminary surveys made cotton gin plant, probably electrically operated, here. $40,000. Private plans.

Tex., San Angelo — ROUNDHOUSE — Atchison, Topeka & Santa Fe Ry. Co., M. C. Blanchard, ch. engr. (Western lines), Amarillo, having preliminary plans prepared fireproof roundhouse, here. $300,000.

Tex., San Antonio—ICE PLANT—Texas Ice House Inc., c/o A. J. Zilker, Austin, and San Antonio, c/o Grande Courts, having plans prepared 1 story, 78 x 105 ft., rein.-con., steel and hollow tile, Fredericksburg Rd. $60,000. Private plans.

Tex., Thurber—OIL TANK and WAREHOUSE—Texas Pacific Coal & Oil Co. plans steel oil tank facilities and large warehouse for distributing plant, Harrison Ave. and Coombes St. $160,000. Private plans.

N. M., Deming—ORE MILL—Peru Mining Co. (subsidiary of Illinois Zinc Co., 332 South Michigan Ave., Chicago, Ill.), plans ore mill, here. $200,000.

Ariz., Tucson — MILLING PLANT — Montana Mines Corp., F. H. Lerchen, mgr., (subsidiary of Eagle Picher Mining Co., Joplin, Mo.) plans milling plant, near here. $100,000.

Wash., Aberdeen—PULP MILL—West Lumber & Pulp Co., B. T. McBain, genl. mgr., takes bids about Jan. 20, pulp mill. $2,500,000.

Ore., Oregon City—FOUNDRY and MACHINE SHOP—Roake & Sons, c/o J. A. Roake, archt., Oregon City, take bids about Jan. 15, two 2 story, 48 x 65 ft., rein.-con., plain foundation, Pacific Highway and South End Rd. $40,000

Calif., Berkeley—IRON WORKS—Bunting Iron Wks., 820 Parker Ave., plans new plant, Parker Ave.

Calif., Sacramento — MACHINERY — State Dept. Pub. Wks. having plans prepared by H. Gutterson, 526 Powell St., San Francisco, soon takes bids, machinery building concrete, brick and steel, for State Fair Grounds. $150,000.

Calif., San Bruno—AIRPLANE FACTORY—Western Aero Constr. Co., Inc., Jenevein Bldg., plans airplane factory. $35,000-$40,000.

Que., St. Lamberts—FACTORY—Monarck Electric Co. Ltd., Waterman St., plans factory. $75,000.

Ont., St. Thomas—DAIRY PLANT—Western Dairy Limited, W. R. Coulter, mgr. having plans prepared by J. T. Findlay, Talbot St., plant. $50,000.

Ont., Toronto—FACTORY—Artcraft Top & Trimmings Co. Ltd., 9 Bloor St. E., plans 2 story, 66 x 158 ft., brick and steel factory. $35,000.

Ont., Toronto—PLANT—I. T. S. Rubber Co. of Canada Ltd., 32 Alpine Ave., plans 3 story, brick on site Watt Feed Co. $50,000.

Bids Desired

Mass., Chelsea—FACTORY—Panco Rubber Co., F. Bernstein, pres., 31 Highland Ave., taking bids 1 story, 90 x 100 ft., brick and timber addition, plain foundation, Highland Ave. Schein & Levine, 448 Bway., archts. Noted Dec. 15.

Mass., Dorchester (br. Boston) — GARAGE and REPAIR SHOP—See "Contracts Awarded."

Mass., Melrose (Ind. br. Boston) — PRINTING PLANT—Melrose Free Press, Inc., E. J. MacLean, mgr., 504 Main St., taking bids 1 story, 50 x 80 ft., brick and stone, plain foundation, West Foster St. $40,000 incl. equipment. T. Hixon, 4 Liberty Sq., Boston, archt. Noted Dec. 15.

Mass., Worcester — SALES, SERVICE GARAGE and REPAIR SHOP — Demers Bros. Co., 91 Grafton St., taking bids 1 story and basement, 100 x 100 ft., brick, plain foundation, Green and Grafton Sts. $50,000. J. Rustigian, 16 Norwich St., archt.

N. J., Bayonne — ICE PLANT — See "Contracts Awarded."

N. J., East Orange—MANUFACTURING—See "Contracts Awarded."

N. J., Kearny (sta. Arlington)—MANUFACTURING—Western Electric Co., Inc., 195 Bway., New York City, taking bids general contract Building 85, 1 story and basement, 80 x 345 ft., rein.-con., brick and steel, here. $150,000. O. C. Spurling, 80 John St., New York City, engr. and archt.

N. J., Newark—FACTORY—D. Lehman, archt., 972 Broad St., taking bids general contract 2 story, brick and steel, plain foundation, 266 Fabyan Pl., here for Newark Brush & Scraper Co., 266 Fabyan Pl. $40,000.

Ind., Huntington—CREAMERY—Clover Leaf Creamery Co., taking bids rein.-con. and brick creamery. $40,000. R. W. Stevens, Citizens State Bank Bldg., archt.

Ind., Indianapolis—GARAGE—Embassy Realty Co., 540 North Meridian St., taking bids 3 story and basement, 90 x 140 ft., rein.-con., brick and stone, Pennsylvania and 30th Sts. $150,000. Doeppers & Lennox, 226 East Michigan St., archts.

Tex., Fort Davis—POWER PLANT—See "Contracts Awarded."

Tex., Nocona — POWER PLANT — See "Contracts Awarded."

Tex., Marfa—SODIUM and POTASH NITRATE PLANT—A. Snell and associates, c/o Jordan Hotel, taking bids 500 ton plant for mining sodium and potash nitrates on 5,000 acre tract. Private plans.

Calif., Fresno—ICE PLANT—Eng. Dept. Pacific Fruit Express Co., 65 Market St., San Francisco, taking bids ice plant, rein.-con., here. $650,000 or more.

Contracts Awarded

Vermont — PLANT — Vermont Hydro-Electric Corp., 26 Center St., Rutland, 2 plants, one at Glen Carvers Falls, and other at Mendon, to M. C. Tuttle Co., Park Sq. Bldg., Boston, Mass. Private plans.

Mass., Dorchester (br. Boston) — GARAGE and REPAIR SHOP—J. Barnerin, 321 Norfolk St., will build 1 story, 75 x 130 ft., concrete block, plain foundation, East Cottage St. $40,000. Work will be done by separate contracts. F. A. Norcross, 46 Cornhill, Boston, archt.

Mass., East Walpole—PLANT—Bird & Son, Inc., altering and constructing brick and timber addition, to M. W. Allen Constr. Co., East St., Walpole. Private plans.

Mass., Somerville—PLANT—Amer. Oil Products Co., 230 Milk St., Boston, 1 story, 55 x 135 ft., rein.-con., plain foundation, Washington St., to W. F. Condon & Sons Co., 222 Putman Ave., Cambridge.

Conn., Greenwich—SERVICE—Connecticut Light & Power Co., 274 Greenwich Ave., 3 story, 103 x 105 ft. electric power service building, brick, steel and concrete Field Point Rd. ,to U.G.I. Constr. Co., c/o owner. Archts. est. $200,000.

N. Y., Syracuse—FACTORY—Owner c/o contractor, 2 story, 70 x 300 ft. concrete and timber, Solar St. to Mondo Constr. Co., City Bank Bldg., $50,000.

N. J., Bayonne—ICE PLANT—F. and L. Mongiello, 74 West 23rd St., will build 1 story, brick and steel, plain foundation, 78-84 West 23rd St. $40,000. Work will be done by separate contracts. C. S. Goldberg, 437 Bway., archt. Noted Sept. 15.

N. J., East Orange—MANUFACTURING—Lock Joint Pipe Co., 150 Rutledge Ave. will build 2 story and basement, 40 x 300 ft. rein.-con., brick and steel, plain foundation, 150 Rutledge Ave. $40,000. Work will be done by separate contracts. Private plans.

Ky., Louisville—BOTTLING PLANT—Falls City Beverage Co., 31st St. and Bway., steel and concrete contract 2 story, 60 x 115 ft., rein.-con. and steel, 31st and Bway., to O. D. Klein, & Co., Louisville; carpentry work being done by day labor. T. J. Nolan, Interstate Southern Bldg., engr. and archt. Archts. est. $40,000.

Wis., West Allis—ICE PLANT—Random Lake Ice Co., 68 Locust St., Milwaukee, 1 story, 130 x 150 ft., brick, plain foundation, 70th St. and National Ave., to K. W. Constr. Co., 589 Moffett St., Milwaukee.

Mo., Springfield—SUB-STATIONS—See "Unclassified."

Mo., St. Louis — CREAMERY — Aro Creamery Co., 409 South Sarah St., 1 story 58 x 140 ft., rein.-con. and brick, 4112 Papin St., to McKelvey-Carter Constr. Co., 3800 West Pine St. Archts. est. $50,000.

Buildings—Industrial (Continued)

Tex., Edcouch—POWER PLANT—Central Power & Light Co., c/o Frost Bldg., San Antonio, will build 1 story, 58 x 102 ft., rein.-con. and steel, here. $80,000.

Tex., Fort Davis—POWER PLANT—Central Power & Light Co., c/o Frost Bldg., San Antonio, will build power plant unit with full equipment, here. $60,000. Work will be done by day labor. Private plans. Noted Aug. 11.

Tex., Fratt (mail Luxello)—LEATHER TANNERY PLANT—San Antonio Boot Co., c/o S. L. Gill, 5500 South Presa St., San Antonio, purchased townsite of Fratt, on Austin Rd., and plans tannery plant, here. $300,000. Work will probably be done by day labor. Private plans.

Tex., Nocona—POWER PLANT—Texas Louisiana Power Co., c/o H. A. Thompson, dist. mgr., will build 1 story, 150 x 250 ft., rein.-con., power plant. $325,000. Work will be done by day labor. Private plans. Noted Nov. 10.

Calif., Torrance—FACTORY—Dohney-Stone Drill Corp., 1 story, 180 x 360 ft., steel and galvanized factory, to C. L. Peck, H. W. Hellman Bldg, Los Angeles, to exceed $100,000.

Buildings—Educational, Religious

Proposed Work

Mass., Amherst — LABORATORY — Amherst College, W. H. Moore, Memorial Com., plans chemical laboratory. $150,000 or more.

Mass., Fitchburg—CHURCH and PARISH HOUSE—Christ Church, A. V. Bennett, pastor, having preliminary sketches made by H. Upjohn, Grand Central Terminal, New York City, altering and constructing church and parish house addition, Main, Fox, Hartwell and Elm Sts. $250,000.

Mass., North Abington—HIGH SCHOOL—Town, Bd. Selectmen, plans altering and constructing high school addition. $150,000 or more. Engineer and architect not selected.

Mass., Springfield—SCHOOL—City, H. L. Dorman, chn. school com., plans brick and steel school. To exceed $150,000. Engineer and architect not selected.

Mass., Waltham—CHURCH—First Presbyterian Church, A. L. Blackloch, 74 Maple St., plans 1 story and basement, brick and stone, Alder St. $150,000 or more. Engineer and architect not selected.

Conn., Mansfield — DORMITORY, etc. — Mansfield Training School & Hospital, C. F. LaNoure, supt., having plans prepared by Towner & Sellew, 363 Main St., Middletown, 3 story and basement, brick and steel dormitory and small pavilion. $150,000. Noted Nov. 3.

N. J., Belleville (br. Newark) — SCHOOLS — Bd. Educ., Washington Ave., having sketches made by C. G. Jones, 280 Bway., New York City, 2 story and basement, brick and steel, plain foundation, John St.; also by P. West, Federal Trust Bldg., Newark, 2 story and basement, brick and steel addition, plain foundation, Union Ave. $150,000 each.

N. J., Cresskill—SCHOOL—Bd. Educ., Boro Hall, having plans prepared by Hacker & Hacker, Fort Lee Trust Bldg., Fort Lee, 2 story and basement, brick and steel, plain foundation. $450,000. Noted Oct. 27.

N. J., Little Ferry — SCHOOL — Bd. Educ., Main St., having plans prepared by Hacker & Hacker, Fort Lee Trust Bldg., Fort Lee, 2 story and basement, brick and steel addition, plain foundation. $150,000. Noted July 14.

N. J., Trenton — CONVENT — Catholic Dioceses of Trenton, T. J. Walsh, bishop, plans several buildings, at Villa Victoria, near here. To exceed $200,000. Engineer and architect not selected.

N. J., Roselle Park (Ind. br. Elizabeth) —SCHOOL—Bd. Educ. having sketches made by H. B. Brady, 333 North Broad St., Elizabeth, 2 story and basement, brick and steel addition to Sherman School, plain foundation, Grant Ave., here. $150,000.

Pa., Phila. — DORMITORY — University of Pennsylvania, 36th and Chestnut Sts., having plans prepared by Stewardson & Page, 315 South 15th St., 4 story and basement mens dormitory, on campus. $150,000.

Pa., Phila.—ENGINEERING—Drexel Institute, K. G. Matheson, pres., 32nd and Chestnut Sts., having plans prepared 4 story and basement engineering building. To exceed $500,000. Engineer and architect not selected.

Md., Baltimore—LIBRARY—City plans rein.-con., brick and stone, Cathedral St. from Mulberry to Franklin Sts. $2,500,000. Engineer and architect not selected.

Tenn., Knoxville — EDUCATIONAL — State Bd. Educ., Nashville, takes bids about Feb. 1, chemistry building $150,000, geology and physics building $150,000, girls dormitory $200,000, on campus, here. G. C. Miller, Chicago, Ill., and Barber & McMurray, Tennessee General Bldg., archts. Noted Nov. 17.

O., Hayesville—SCHOOL—J. R. Atterholt, clk. Bd. Educ., having plans prepared by F. S. Rusk, 35 East Main St., Columbus, 3 story, brick and concrete school. $150,000.

O., Ontario—SCHOOL—O. S. Dent, clk. Bd. Educ., Springfield Twp., having plans prepared by Porter & Virtue, 1714 North High St., Columbus, 3 story and basement, 100 x 125 ft., brick, stone and concrete school. $150,000.

O., Shauck — HIGH SCHOOL — A. W. Shipley, clk. Bd. Educ., having plans prepared by F. S. Rusky, 35 East Main St., Columbus, 2 story and basement, fireproof, incl. gymnasium and auditorium.

Ind., Crawfordsville—CHAPEL—Wabash College, L. B. Hopkins, pres., having preliminary plans prepared by J. F. Larson, Hanover, N. H., 2 story and basement, rein.-con., brick and steel, on campus. $150,000.

Ind., Evansville — SCHOOL — Catholic School, F. P. Ryves, pastor, 7th St., having preliminary plans prepared 2 story and basement, 60 x 120 ft., rein.-con., brick and steel, incl. auditorium and 8 class rooms, 7th and Vine Sts. $160,000. Engineer and architect not selected.

Ind., Ft. Wayne — SCHOOL — School Comrs., 1225 Clinton St., takes bids about Jan. 1, Forest Park School, 2 story and basement, rein.-con., brick and steel, incl. gymnasium and 10 class rooms. $150,000. G. Mahurin, 425 Standard Bldg., archt.

Ind., Frankfort—SCHOOL—Comrs. having preliminary plans prepared by R. W. Leonard, 309 Peoples Life Bldg., 2 story and basement, 115 x 180 ft., rein.-con., brick and steel, 3rd St. $200,000.

Mich., Bloomfield Hills (Birmingham P. O.) — DORMITORY — Christ Episcopal Church having plans prepared by Cranbrook Architectural Serv., Lone Pine Rd., 2 and 3 story and basement, rein.-con., brick and steel, plain foundation, Lone Pine Rd. $150,000.

Mich., Detroit—SYNAGOGUE—Congregation B'Nai Moshe, c/o Kohner & Payne, archts., Kresge Bldg., having plans prepared 2 story and basement, 1,000 seating capacity, brick and steel, plain foundation, Dexter Blvd. $175,000.

Mich., Pontiac — SCHOOLS — Bd. Educ. plans Eastern Junior High School, McCanal and Crofoot School additions, and 2 elementary schools, each 2 story and basement, rein.-con., brick and steel, plain foundations. $625,000. Engineer and architect not selected.

Ill., East St. Louis—HIGH SCHOOL—Catholic High School Bd., c/o C. Gilmartin, pastor, 813 Baugh Ave., purchased site and plans 3 story, rein.-con., brick and stone St. Clair Ave. $200,000.

Ill., McLeansboro—HIGH SCHOOL—Bd. Educ., having preliminary plans prepared by H. E. Boyle & Co., Furniture Bldg., Evansville, Ind., 3 story, rein.-con. brick and stone high school. Archts. est. $150,000.

Minn., Minneapolis — SCHOOL — Bd. Educ., City Hall, having plans prepared 2 story and basement, rein.-con., brick, and Bedford stone, 44th and Sheridan Aves. $230,000. Private plans.

Minn., St. Cloud—CHURCH and SCHOOL—St. Anthony Roman Catholic Church, 100 24th Ave. N., having plans prepared by N. W. Fisher, St. Marys Bldg., church $120,000 and school $60,000, both rein.-con. and brick.

Kan., Lawrence—BIOLOGICAL—Kansas University, c/o Bd. of Regents, soon takes bids 3 story and basement, 94 x 160 ft., rein.-con. and stone biological building. $255,000. C. D. Cuthbert, State House, Topeka, archt. Noted June 23.

Kan., Pittsburg—MUSIC HALL—Kansas State Teacher's College, c/o Bd. of Regents, soon takes bids 3 story, 90 x 144 ft. music hall, rein.-con., brick and stone. $150,000. C. D. Cuthbert, State House, Topeka, archt. Noted Dec. 22.

Mont., Great Falls—SCHOOL—Bd. Educ. having plans prepared by Bird & Van Teylingen 815 1st Natl. Bank Bldg., Great Falls, and Croft & Boerner, associated archts., 1004 Marquette Ave., Minneapolis, Minn., 2 or 3 story and basement, rein.-con. and brick school and stadium, 15,000 seating capacity. $1,000,000. Noted Dec. 22.

Tex., Amarillo—CHURCH—First Baptist Church, G. L. Yates, pastor, had plans prepared by G. A. Carlander, 15 Massie Bldg., and takes bids early in 1928, 4 and 5 story, brick, stone, steel and rein.-con., Tyler and 13th St. $300,000.

Tex., Ft. Worth—SUNDAY SCHOOL, etc. —C. H. Woodruff, archt., 400 Reynolds Bldg., takes bids about Jan. 15, 6 story, brick, stone, steel and rein.-con., Taylor St. $225,000, for 1st Christian Congregation c/o A. Anderson, pastor. Noted Dec. 9, 1926.

Okla., Okemah—HIGH SCHOOL—Bd. Educ. having preliminary plans prepared rein.-con. and brick, plain foundation, 4th St. $175,000. Engineer and architect not selected.

Ore., Portland — SCHOOL — Columbia University, c/o E. Donahue, pres., having preliminary plans prepared by Jacobberger & Smith, Railway Exch. Bldg., 10 buildings, on campus. $4,000,000.

Calif., Los Angeles—EDUCATIONAL—University Methodist Episcopal Church, 1016 West Jefferson St., having plans prepared by C. R. Johnson, 3551 University Ave., 3 story, rein.-con., 36th St. $200,000. Noted Oct. 6.

Calif., Los Angeles—SCHOOL-HOME—Protestant Welfare Assn., 40 Hunt & Chambers, archts., Hibernian Bldg., having preliminary plans prepared probably rein.-con. school. $250,000.

Calif., Los Angeles — UNIVERSITY — University of California, had plans prepared by Allison & Allison, Hibernian Bldg., 3 story and basement, 129 x 218 ft., rein.-con. university buildings, 60,000 sq.ft. floor space, at Westwood. $460,000.

Calif., Oakland — ADMINISTRATION — Oakland School Dist. having preliminary plans prepared by Building & Grounds Dept., Bd. Educ., fireproof administration building. $200,000.

Calif., Oakland — GYMNASIUM — City, School Dist., having plans prepared by Building & Grounds Dept., Bd. Educ., Oakland, rein.-con. gymnasium. $150,000.

Calif., San Francisco—HIGH SCHOOL—City and San Francisco Co. having plans prepared by Miller & Pflueger, Hobart Bldg., Roosevelt Junior High School, fireproof, Arguello Blvd. $400,000.

Calif., San Francisco—HIGH SCHOOL—City and San Francisco Co. having plans prepared by G. A. Lansburgh, 105 Montgomery St., brick and steel addition, Frederick St. $150,000.

Calif., San Francisco—HIGH SCHOOL—City and San Francisco Co. having plans prepared by O. Appleton, 68 Post St., Junior High School, fireproof Otsego Ave. $250,000.

Calif., Sawtelle—CHURCH—First Presbyterian Church, S. MacLennan, pastor, Hollywood, having plans prepared by Sexsmith & Wade, Taft Bldg., Los Angeles, rein.-con., here. $150,000.

Calif., Stockton—COLLEGE—College of Pacific plans college building. $250,000. Engineer and architect not selected.

Que., Montreal—CHURCH—Presbyterian Church of St. Andrew & St. Paul, 392 Dorchester St. W., G. B. Donald, pastor, plans new church, Sherbrooke St. W. $400,000.

Que., Mount Royal—SCHOOL—Protestant School Bd. plans 3 story, fireproof school. $175,000. Engineer and architect not selected.

Que., St. Hyacinthe—NOVIATE—Marists Bros., St. Mathias, plans noviate, here. $300,000.

Bids Desired

Mass., Brookline (br. Boston) — LIBRARY—Dec. 30, by Town, A. L. Endicott, chn., Trustee of Pub. Library, 1 and 2 story and basement, brick and stone, plain foundation. $150,000. Kilham, Hopkins & Greeley, 9 Park St., Boston, archts.

N. Y., Middleville—SCHOOL—Jan. 10, by Bd. Educ., Memorial Hall, E. M. Jackson, clk., school in School Dist. 5. $150,000. J. R. White, 109 State Albany, archt.

N. J., North Bergen (Ind. br. Weehawken)—SCHOOL—Jan. 10, by Bd. Educ. North Bergen Twp., Municipal Bldg., Main St. and Hudson Blvd., Horace Mann School (P. S. 9), 38th and 39th Sts. Hensel & Weir, 254 Summit Ave., Union City, archts. Noted Sept. 15.

N. J., Princeton—SCHOOL—Jan. 19, by School Bd., 2 story and basement, brick and steel school. $750,000. E. Sibley & L. C. Litcht, Bluff Rd., Palisade, archts. Noted Oct. 6.

Ala., Birmingham—SCHOOL—Jan. 6, by Bd. Educ., Woodrow Wilson School. Warren, Knight & Davis, Empire Bldg., archts. W. B. Ittner, 911 Locust St., St. Louis, Mo., consult. archt.

Ind., Evansville — SCHOOL — School Comrs. taking bids and open same about Jan. 15, Grade and High School, 2 story and basement, rein.-con., brick and steel, incl. gymnasium, auditorium and 30 class rooms, $300,000. Fowler & Karges, 707 Furniture Bldg., archts.

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Buildings—Educational, Religious (Cont.)

Ind., Oakland City—HIGH SCHOOL—Jan. 24, by School Comrs., 2 story and basement, 175 x 200 ft., rein.-con., brick and steel, incl. gymnasium, auditorium and 10 class rooms. $150,000. H. E. Boyle, 405 Furniture Bldg., Evansville, archt.

Wis., Milwaukee—HIGH SCHOOL—Jan. 5, by Bd. School Directors, F. M. Harbach, secy., George H. Walker Junior High School, 4 story and basement, 207 x 276 ft., rein.-con. and brick, plain foundation, 27th Ave. Private plans.

Minn., Minneapolis—SCHOOL—Jan. 5, by Bd. Educ., 305 City Hall, 2 story and basement, 150 x 260 ft., rein.-con., brick and Bedford stone, 52nd St. and 30th Ave. S. $235,000. Private plans. Noted Nov. 3.

Bids Received

N. Y., New York — SCHOOL of COMMERCE—Bd. Trustees College of City of New York, M. J. Strook, chn., 139th St. and Convent Ave., general contract Commerce Building, Lexington Ave. and 23rd St., from Kenny Bros., Inc., 33 Old Bway., $1,039,000. Noted Dec. 1.

Contracts Awarded

Conn., New London—NURSES HOME—Lawrence Memorial Hospital Assn. c/o A. Prindiville, 3 story and basement, brick and steel, 100 room nurses home, Montauk Ave. and Faire Harbor Pl., to H. Wales Lines Co., 134 State St., Meriden. Archts. est. $150,000. Noted Dec. 8.

N. Y., Forest Hills (sta. Flushing) — SCHOOL — Maginnis & Walsh, archts., Statler Bldg., Boston, Mass., 2 story and basement, brick and stone, plain foundation, Ascan Ave. and Austin St., here, to L. J. Rice, 372 Burns St., for Our Lady Queen of Martyrs Church. Noted Dec. 1.

N. Y., Yonkers — CHURCH — St. Pauls Episcopal Church, c/o Cram & Ferguson, archts., 248 Boylston St., Boston, Mass., 1 story and basement, brick and steel, Palisade Ave., here, to Kennith MacKay & Co., Inc., 2 Hudson St. Archts. est. to exceed $150,000. Noted Oct. 27.

N. C., Raleigh — COLLEGE — Building Com. North Carolina State College, completing engineering building, brick, on campus, to G. P. Rose, Goldsboro, $182,000.

Ala., Birmingham — SCHOOLS — School Bd. **(e. e. means engrs. est.)**, to L. C. Ellison Co., 2907 16th Ave., 1 story, 50 x 100 ft. addition to Acipco School, $29,101 e. e. $29,500, 2 story, 50 x 80 ft. addition to Bush School, $52,843 e. e. $53,000, both brick, and 2 story, 50 x 80 ft., brick and stone addition to Glen Iris School, $46,957 e. e. $47,000; to Miller Bros., 2024 4th Ave. N., Minnie Holman School, 2 story, 75 x 100 ft., brick and stone $118,147 e. e. $120,000, and Council School, 1 story, 50 x 75 ft., brick, $44,460 e. e. $45,000; also to C. Hall, 1116 North 29th St., Kennedy School, 2 story, 75 x 100 ft., brick and stone addition, $59,005 e. e. $60,000. Grand total $350,513.

Miss., Crystal Springs—SCHOOL—J. Sullivan, supt. Copiah Co. Bd. Educ., Hazelhurst, general contract 3 story, rein.-con., brick and stone, here, for Consolidated School Dist. of Crystal Springs, to Key-Langston Co., Murray, Ky., $161,742. Archts. est. $225,000. Noted Dec. 15.

O., Mt. Washington (sta. Cincinnati) — SCHOOL—St. Gregorys Seminary, 4 story and basement, brick and rein.-con., plain foundation, Ohio Pk., to M. J. Roche Constr. Co., Southern Bank, Cincinnati, $1,500,000.

Ind., Indianapolis — SCHOOL — School Comrs., 150 North Meridian St., general contract School 73, 2 story and basement, rein.-con., brick and steel, 4101 East 30th St., to R. W. Bauman, 418 Beauty Ave. Archts. est. $150,000. Noted Nov. 24.

Ind., Seymour — LIBRARY — Seymour Pub. Library, general contract rein.-con., brick, steel and stone, to W. J. Abraham, Seymour. Archts. est. $150,000.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway. Ave., 2 story and basement, 23 room, rein.-con., brick and steel, plain foundation, Linwood Ave., to Talbot & Meier, 6853 Michigan Ave., $238,404. Noted May 5.

Mich., Rochester—SCHOOL—Bd. Educ., 2 story and basement, 18 room, rein.-con., brick and steel, plain foundation, Wilcox and 5th Sts., to J. L. Olson, 62 Dakota Ave., Pontiac. Archts. est. $150,000. Noted Nov. 3.

Mich., Royal Oak (Ind. br. Detroit)—SCHOOL—Bd. Educ., 2 story and basement, rein.-con., brick and steel, plain foundation, Madison Site, to Shelden Constr. Co., 548 Buhl Bldg., Detroit. Archts. est. $150,000.

Ill., Chicago — SCHOOL, AUDITORIUM and GYMNASIUM—Sisters of Providence, 3107 West Van Buren St., general contract 4 story, 200 x 200 ft., rein.-con., brick and stone, Central Park Blvd. and Monroe St., to W. E. O'Neill Constr. Co., 19 South La Salle St. Archts. est. $1,000,000. Noted June 2.

Calif., Los Angeles—CONVENT—Church of Good Shepherd, 1312 South Arlington Ave., 4 story and basement, 35 x 225 ft. with 30 x 100 ft. and 30 x 60 ft. wings, rein.-con., Arlington Ave. near Pico St., to Macdonald & Driver, Bd. Trade Bldg., $297,000. Noted Nov. 24.

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Federal Government Work

Proposed Work

N. Y., Fort Lafayette (mail Brooklyn)—Repairing—Spec. 5546—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans repairing cornices and gutters, at Naval Ammunition Depot, here.

Pa., Phila.—Hydraulic Dredge—U. S. Engineer Office plans hydraulic dredge.

D. C., Wash.—Pontoons—U. S. Engineer Office plans constructing 20 steel pontoons.

D. C., Wash.—Shaft—U. S. Engineer Office plans drilling 10 in. shaft for District of Columbia Water Supply.

S. C., Parris Island—Tank—Spec. 5522—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans tank, at U. S. Marine Barracks, here.

Fla., Jacksonville—Pump—U. S. Engineer Office plans carbon steel dredge pump, complete with spare parts for dredge "Barnard."

O., Cincinnati—Horses and Props—U. S. Engineers Office, plans 175 horses and 25 props for repairing Dam 37, Ohio River.

Bids Desired

Va., Norfolk—Piping—Jan. 17, by Treas. Dept., at office Supervising Archt., Wash., D. C., piping at U. S. Post Office, here.

Ga., Augusta—Roads—Jan. 10, by U. S. Veterans Bureau, Arlington Bldg., Wash. D. C., roads, walks and grading at U. S. Veterans Hospital 62, here.

O., Cincinnati—Wicket Boxes—Jan. 16, by U. S. Engineer Office, constructing cast steel wicket boxes; adv. E. N.-R. Dec. 29.

Ill., Chicago — Quarters — Jan. 16, by Treas. Dept., at office Supervising Archt., Wash., D. C., quarters for medical officer, junior medical officers, attendants, nurses and pharmacists, at U. S. Marine Hospital, here.

Ill., Elgin — Extension — Jan. 16, by Treas. Dept., at office Supervising Archt., Wash., D. C., extension U. S. Post Office, here.

Missouri—Earthwork—Jan. 10, at office Dist. Engineer, Northern Mississippi River Comn., Customhouse, St. Louis, 7,000 cu.yd. earthwork in Levee Dist. 1, Perry Co.; adv. E. N.-R. Dec. 29.

Okla., Muskogee—Roads—Jan. 17, by U. S. Veterans Bureau, Arlington Bldg., Wash. D. C., constructing concrete roads at U. S. Veterans Hospital 90, here.

Wash., Seattle—Dredging—Jan. 6, by U. S. Engineer Office, dredging salt water basin Lake Washington Ship Canal. Noted Dec. 8.

California—Needle Valves—Jan. 27, by Bureau Reclamation, Dept. Interior, Wash., D. C., two 42 in. balanced needle valves for Stony Gorge Dam, Orland Project, here; adv. E. N.-R. Dec. 29.

Bids Received

Ga., Savannah—Quarters—Treas. Dept., at office Supervising Archt., Wash., D. C., medical officers quarters, U. S. Marine Hospital, here, from Southern Constr. Co., Pensacola, Fla., $17,660. Noted Nov. 24.

O., Columbus—Lighting—Treas. Dept., at office Supervising Archt., Wash., D. C., lighting at U. S. Post Office, here, from Strang Electric Co., 214 South 7th St., Phila., Pa., $3,100. Noted Dec. 8.

Contracts Awarded

N. Y., New York—Motor Generator Sets, etc.—Spec. 5547—Bureau Yards & Docks, Navy Dept., Wash., D. C., motor generator sets and switchboard equipment, at Navy Yard, here, to General Electric Co., River Rd., Schenectady, $27,945. Noted Dec. 22.

Pa., Pittsburgh—Bear Trap Leaves—U. S. Engineer Office, Dec. 7, 2 sets beartrap leaves for Lock 6, Ohio River, to Nashville Bridge Co., foot Shelby Ave., Nashville, Tenn., $61,104. Noted Nov. 17.

D. C., Wash.—Retaining Walls—U. S. Veterans Bureau, Arlington Bldg., retaining walls, roads, walks, fences, etc. at U. S. Veterans Hospital, Mount Alto, here, to Bahen & Wright, 1223 New York Ave. N.W., $29,578. Noted Dec. 1.

Va., Norfolk—Bulkhead—U. S. Engineer Office, brush fascines and rip rap stone for repairing Craney Island Bulkhead, to Oscie Dashiell & Co., 507 South St., Portsmouth, $42,490. Noted Nov. 17.

W. Va., Williamson—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., constructing U. S. Post Office and Court House, here, to Virginia Eng. Co., 1st Natl. Bank Bldg., Norfolk, Va., $149,718. Noted Dec. 15.

Tex., Fort Sam Houston (sta. San Antonio)—Barracks—A. W. Parker, Quartermaster Corp., infantry and regimental barracks, to L. T. Wright & Co., 911 Builders Exch. Bldg., San Antonio, $476,162. Noted Dec. 15.

California—Road—C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., Sheldon Bldg., San Francisco, grading, etc. Big Bear Valley Natl. Forest Highway, San Bernardino Co., to J. G. Donovan, 4031 Goodwin Ave., Los Angeles, $339,125. Noted Dec. 1.

Calif., San Diego—Distributing System and Extension—Spec. 5497 and 5503—Bureau Yards & Docks, Navy Dept., Wash., D. C., distributing system, to H. Lawson, 465 Tehema St., San Francisco, $41,400 (120 days); and extending ship and storage facilities, to W. B. Melhorn, 931 West Washington St., $12,960 (150 days), both at Naval Operating Base, here. Noted Dec. 15.

FEDERAL POWER COMMISSION

Application for License and Permits

Applications

846—Southern California Edison Co., 306 West 3rd St., Los Angeles, Calif., wants license transmission line partly within Angeles Natl. Forest, Los Angeles Co.

847—H. L. Vorse, 421 Lumbermens Bldg., Portland, Ore., wants preliminary permit power project within Mt. Hood Natl. Forest, on Lake Branch West Fork of Hood River, Eagle Creek, Wahtum and Lost Lakes, in Hood River and Multnomah Counties.

848—Wells Power Co., Wells, Nev., wants license power project partly within Humboldt Natl. Forest, Trout Creek, Elko Co.

849—Deschutes Falls Power Co., 215 North Carson St., Carson City, Nev., wants preliminary permit power project on public lands on Deschutes River, Sherman and Wasco Counties, Oregon.

850—J. G. Kelley, 7 East 16th St. N., Portland, Ore., wants preliminary permit power project partly within Santiam Natl. Forest, on Maron Lake and North Fork Santiam River, Marion and Linn Counties.

851—J. G. Kelley, 7 East 16th St. N., Portland, Ore., wants preliminary permit power project within Siuslaw Natl. Forest, on Loon Lake and Mill Creek, in Douglas Co.

852—City of Eugene, Eugene, Ore., wants preliminary permit power project on McKenzie River, Lane Co.

Unclassified

Proposed Work

Playground — Medford (br. Boston), **Mass.**—City, Park Dept., plans public playground between Boston and Maine R.R. tracks and Main St. $50,000. Private plans.

Arena—Buffalo, N. Y.—Buffalo Forum, Inc., 1825 Hotel Statler, having plans prepared by H. E. Plumer & Associates, 775 Main St., arena, incl. arcade, hockey rink, and indoor sports arena, Genesee St. and New York Central Belt Line. $1,000,000.

Stadium and Playground — Union City, N. J.—Bd. City Council, Municipal Bldg., plans concrete stadium and playgrounds. $25,000. H. Thourot, city engr.

Underpass — Raleigh, N. C. — Seaboard Air Line Ry., W. D. Faucette, ch. engr., Savannah, Ga., plans rein.-con. underpass beneath its 8 tracks crossing Peace St., here. $40,000.

Paper and Pulp Mill — Sylva, N. C. — Meade Paper Co., Callahan Bank Bldg., Dayton, Ohio, acquired controlling interest in extract plant of Parson Tanning Co., and plans pulp mill, 100 tons daily output capacity, here. E. L. McKee, Sylva, genl. mgr.

Stadium—Cleveland, O.—Bd. Educ., F. G. Hogen, dir., plans athletic field and stadium. $250,000. G. M. Hopkinson, Auditorium Garage Bldg., engr.

Unclassified (Continued)

Tunnel — Kent, O. — Bd. Trustees Kent Normal School making plans 700 ft. 6 x 6½ ft. concrete tunnel for main, steam and electric lines. Ronan & Ingleson, 1614½ North High St., Columbus, archts.

Car Barn—Stratford (mail Delaware), **O.** —Officials Columbus Delaware Electric Co., Delaware, takes bids about Jan. 1, rebuilding 2 story car barn, recently destroyed by fire. $100,000.

Parks and Playgrounds — Fort Smith, Ark.—See "Streets and Roads."

Gas Mains — Kansas City, Mo. — See "Buildings—Industrial."

Port Improvements—Corpus Christi, Tex. —Nueces Co. voted $1,500,000 bonds, port improvements, incl. wharf, warehouse, loading facilities, etc. Address N. Benton, Corpus Christi, co. judge.

Oil Pipe Line—Oklahoma and Texas—Sinclair Oil Co., Tulsa, Okla., made preliminary plans 100 mi. oil pipe line, steel, between Healdton, Okla. and Mexia, Tex. $750,000. Private plans.

Transmission Line — Oklahoma — South West Light & Power Co., Braniff Bldg., Oklahoma City, made preliminary plans 16 mi. 13,200 volt transmission line between Minco and Mustang. $25,000. E. R. Ernsberger, Braniff Bldg., Oklahoma City, engr.

Transmission Line — Oklahoma — South West Light & Power Co., Braniff Bldg., Oklahoma City, plans 10 mi. 13,200 volt transmission line between Clinton and Arapaho. $25,000. E. E. Ernsberger, Braniff Bldg., Oklahoma City, engr.

Natural Gas System — Apache, Okla. — Apache Gas Co. made preliminary plans 4 mi. gas line to Apache gas fields and distribution system, here. $25,000. R. Gilbreath, Apache, engr.

Underpass — Ponca City, Okla. — City voted $55,000 bonds, underpass under Santa Fe R.R. tracks, at South Ave. H. W. Crawford, Ponca City, engr.

Lighting System—Garden Grove, Calif.— Plans ornamental lighting system in business section town. To exceed $25,000.

Docks — Hamilton, Ont. — Hamilton By-Product Coke Ovens Ltd., 20 Main St. E., soon takes bids new docks. $1,000,000. Noted Mar. 24.

Transmission Line — Trenton, Ont. — Hydro Electric Power Comn. of Ontario, 190 University Ave., Toronto, F. A. Gaby, engr., plans 37 mi. 44,000 electric transmission line from here to Port Hope. $250,000.

Elevator—New Westminster, B. C.—W. G. Swan and C. D. Howe & Co., engrs., Birks Bldg., Vancouver, preparing plans and take bids about Jan. 1, 1,000,000 bu. concrete elevator with storage bins, on Fraser River, here, for Fraser River Elevator Co. Ltd. $700,000.

Wharf—Port Alberni, B. C.—Dominion Govt., Ottawa, Ont., having plans prepared and soon takes bids 100 x 400 ft. timber wharf with sheds, $150,000. J. P. Forde, Victoria, engr.

Bids Desired

Heating, Plumbing, etc.—Brookline (br. Boston), **Mass.** — A. J. Halfenstine, 129 Washington St., taking bids heating, plumbing and electrical work in home, Kent St., for Brookline B. P. O. E. 886. To exceed $25,000.

Golf Course and Club — New Haven, Conn. — See "Contracts Awarded."

Foundation—Buffalo, N. Y.—Jan. 10, by A. E. Smith, gov. and chn. State Office Site & Building Comn., Capitol, Albany, foundation State Office Building.; adv. E. N.-R. Dec. 29. Noted Mar. 17 under "Buildings-Commercial."

Playground—Brooklyn, N. Y.—Jan. 5, by C. E. Dobbin, acting Supt. School Buildings, Flatbush Ave. extension and Concord St., excavating, paving, fencing, etc., for playground, Lafayette and Classon Aves., here, for Bd. Educ., 500 Park Ave., New York City.

Athletic Field—New York, N. Y.—Jan. 5, by C. E. Dobbin, acting Supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, general contract George Washington High School Athletic Field, Amsterdam, Fort George and Audubon Aves., here, for Bd. Educ., 500 Park Ave. Noted Jan. 23.

Pumping Equipment—New York, N. Y.—Jan. 6, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., installing city owned pumping equipment and installing additional pumping equipment at 77th, 108th, 149th, 171st and 207th Sts. on Washington Heights Line.

Tile Work, etc.—New York—Jan. 6, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, miscellaneous tile, mosaic and plaster work at stations of Rapid Transit R.R. in Manhattan, Brooklyn and Bronx Boros. (Contr. 3.)

Heating—Rochester, N. Y.—Jan. 18, by Commissioner Mental Hygiene, Dept. Mental Hygiene, Albany, heating, sanitary and electrical work in Buildings 1, 2, 3 and 4, at Rochester State Hospital, here; adv. E. N.-R. Dec. 29.

Boardwalk—Manasquan, N. J.—Jan. 3, by Boro Council, A. B. Appleget, clk., 4,250 lin.ft. boardwalk on Manasquan Beach between Ocean Ave. and Manasquan Inlet. Sincerbeaux, Moore & Shinn, consult. engrs.; adv. E. N.-R. Dec. 29. Noted Dec. 1.

Lighting System—Columbus, O.—Jan. 5, by W. H. Duffy, pres. Bd. Purchase, City Hall, lighting system in 12 streets, incl. one hundred seventy-five 13 ft. and eighteen 16 ft. ornamental standards, etc., for City. W. T. Turner, 519 Dublin Ave., engr.

High Tension Line Towers—Illinois—See "Contracts Awarded."

Hydro-Electric Development—Springfield, Mo.—See "Contracts Awarded."

Bids Received

Subway—New York—Bd. Transportation, J. H. Delaney chn., 49 Lafayette St., New York City, Dec. 21, constructing Sect. 12, Route 107, Rapid Transit R.R. extending under Manhattan Ave., Newtown Creek, private property, Vernon and Jackson Aves. from Freeman St., Brooklyn Boro to Arch St., Queens Boro, from Mid East Constr. Co., 2265 Bedford Ave., Brooklyn, $6,942,000. Noted Dec. 1.

Contracts Awarded

Golf Course and Club—New Haven, Conn. —City, Park Dept., will build golf course by separate contracts, under supervision R. D. Pryde, Orange, Conn. General contract 2 story, 50 x 110 ft. clubhouse, to Kelley & Wood, 59 Emerson St. Engrs. est. $100,000. Noted Nov. 17.

Hydro-Electric Development—Springfield, Mo.—Empire Dist. Electric Co., c/o H. L. Doherty, 66 Wall St., New York City, will build Table Rock Dam, rein.-con., 175 ft. high, to supply four 37,000 k.w. generators, here. $16,000,000; also power transmission lines and sub-stations, etc., by day labor. Total $25,000,000. R. F. Griswold, c/o H. L. Doherty, 66 Wall St., New York City, ch. engr.

High Tension Line Towers — Illinois — Illinois Power & Light Corp., 231 South La Salle St., Chicago, will erect 20 steel towers 60 ft. high on 12 x 16 ft. rein.-con. base, to carry high tension line across Shoal Creek Bottoms from Granville to Pocahontas, by day labor. Private plans.

Street Lighting System—St. Joseph, Mo. —Relocating 100 intersection lamps, 152 type 61-D, and 393 bracket lights 1227-D King style whiteway lights, to St. Joseph Railway Light, Heat & Power Co., St. Joseph, $60,529. Engrs. est. $64,500.

Oil Pipe Line—Texas—Atlantic Oil Producing Co., Midland, 10 in. pipe line from Winkler Co. oil fields to tank farm near Midland, to Janes Contg. Co., Wichita Falls, $180,000, and welding, to Meador & Whitaker, Burkburnet, approximately $40,000; also furnishing 51 mi. 10¾ in. O. D. plain end double length pipe beveled for welding, to Natl. Tube Co., Frick Bldg., Pittsburgh, Pa., 20 mi. single length pipe, same specifications as above to Jones & Laughlin Steel Corp., Ross St., Pittsburgh, Pa., 2 pump stations at Wink and near Judkins, each equipped with two No. 5 HMT type 4 stage, Cameron centrifugal pumps. to General Electric Co., River Rd., Schenectady, N. Y., engrs. est. $700,000.

Undergrade Crossings, etc.—Applegate, Calif. — State Hy. Dept., Sacramento, 2 undergrade crossings, under Southern Pacific R.R. tracks, near here, to W. A. Bechtel, 625 Market St., San Francisco, $43,209. Noted Dec. 15.

Rolling Doors — Oakland, Calif. — City Port Comn., 62 steel rolling doors for Grove St. Pier, to Gunn, Carle & Co., 444 Market St., San Francisco, $28,500. Noted Dec. 22.

Grain Elevator—Port Arthur, Ont.—Reliance Elevator Co., 2,500,000 bu. concrete grain elevator addition, Waterfront St., to Barnett McQueen Constr. Co. Port Arthur. Archts. est. $500,000.

Materials

Proposed Work

Pumps, etc.—Washington—Washington Pulp & Paper Co. (subsidiary Zellerbach Paper Corp., 1254 1st St,. Seattle), soon lets contract 80 each pumps and electric motors, for pulp and paper plants, in Port Townsend and Hoquiam. $80,000.

Pipe—Burlingame, Calif.—F. Bloom, city purch. agt. plans purchasing (in open market) 42,600 ft. 2- to 12-in. Class "B" iron pipe. Former bids rejected. Noted Dec. 8.

Water Well Casing—Coalinga, Calif.— City plans purchasing in open market casing for water well. $3,000 available.

Bids Desired

Fuel Oil—Brooklyn, N. Y.—Jan. 4, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, 400,000 gal. fuel oil.

Pipe—New York, N. Y.—Jan. 9, by P. J. Dooling, comr. Water Supply, Gas & Electricity, Municipal Bldg., cast iron pipe, special and valve box castings, valves and double nozzle fire hydrants, to Dept. Water Supply, Gas & Electricity.

Steel Wheels and Piston Heads, etc.—Phila., Pa.—Jan. 6, by C. E. Walsh, purch. agt. Pennsylvania R.R., 15 North 32nd St., West Phila., steel wheels, Contr. 1-1928; piston heads, Contr. 2-1928; and bridge superstructure, Contr. 3-1928.

Conduit and Fibre Bends — Baltimore, Md. — Jan. 4, by Bd. Awards, 100,000 ft. 3 in. fibre conduit; 1,000 ft. fibre bends; 500,000 ft. vitr. clay conduit. C. F. Goob, City Hall, ch. engr.

Gasoline and Oil—Virginia—Dec. 30, by State Hy. Comn., Richmond, 413,000 gal. gasoline and 26,000 gal. oil. C. S. Mullin, ch. highway engr.

Street Regulators, Transformers, etc. — Columbus, O.—Jan. 5, by W. H. Duffy, pres. Bd. Purchase, City Hall, Columbus, six 40 kw. street and two 46 kw. feed regulators, three 400 kw. and two 5 kw. transformers, also 1 automatic motor generator, all foregoing for electric substation, Wheatland Ave. $15,000.

Pipe, Valves, etc. — Milwaukee, Wis. — Jan. 9, by Central Bd. Purchases, J. W. Nicholson, ch. buyer, 5,000 tons 6- to 16-in. Class "C" water pipe; 300 tons special castings, etc.; three thousand ⅝ in., three thousand five hundred ¾ in. and two hundred 1 in. meter cocks; six thousand ⅝ in., seven thousand ¾ in. and four hundred 1 in. couplings; eight hundred 6 in., four hundred 8 in., one hundred and fifty 12 in. and seventy-five 16 in. gate valves; two hundred and ten 2- to 6-in. tapping valves; 55,000 lb. liquid chlorine; 20 tons special sleeves and 35 tons offsets, etc.

Bridge Lumber—Carroll, Ia.—Jan. 4, by Auditor Carroll Co., 6 cars lumber and 1 car creosoted piling. J. F. Maher, Carroll, co. engr.

Bridge Lumber—Cedar Rapids, Ia.—Jan. 4, by Auditor Linn Co., 2 cars creosoted yellow pine piling and 4 cars full sawed bridge plank. A. F. Miller, Cedar Rapids, co. engr.

Bridge Lumber—Fairfield, Ia.—Jan. 4, by Auditor Jefferson Co., 158,080 ft. untreated and 56,333 ft. treated bridge lumber, 8,000 ft. untreated and 3,800 ft. treated piling. M. H. Bryant, Fairfield, co. engr.

Lead Pipe—Duncan, Okla.—City in market 1,000 ft. ¾ in. extra heavy lead pipe for Waterworks Dept.

Water Meters and Boxes—Wewoka, Okla. —City in market two hundred and fifty water meters and boxes.

Water Jet Pumps—Czechoslovakia—I. C. M. Sigmund, Brno, Wawrova 10, wants prices and catalogs water jet pumps.

Bids Received

Iron Castings, etc.—Boston, Mass.—Supply Dept., H. S. Frost, supt., Dec. 16, 400,000 lb. iron castings, frames and covers, frames and covers, from E. L. LaBaron Fdry. Co., Brockton, at $0.0245 per lb.; 400,000 lb. gate and hydrant iron castings, from Mechanics Iron Fdry. Co., 38 Kemble St., Roxbury, $0.045; and 200,000 lb. iron castings service pipe stock, from Stewart Steel Product Co., Inc., 352 West 26th St., New York City, $0.0499. Noted Dec. 8.

Iron Castings — Boston, Mass. — Supply Dept., H. S. Frost, supt., 100,000 lb. iron castings, flanged frames, from E. L. La Baron Fdry. Co., Brockton, at $0.03 per lb.; also 400,000 lb. iron castings, branches and curves, from Warren Fdry. & Pipe Co., 21 Devonshire St., $0.0521. Noted Dec. 8.

Contracts Awarded

Trap Rock—Hartford, Conn.—Bd. Contr. & Supply, Dec. 20 54,000 tons crushed trap rock for City, c/o Bd. Street Comrs. to Edward Balf. Co., 14 Haynes St.

Road Oil—Anaheim, Calif.—E. B. Merritt, city clk., 2,400 bbl. road oil, to Shipkey & Pearson, Inc., Anaheim, 90% oil at $2.65 per bbl., and 80% oil $2.55. Noted Nov. 24.

Cedar Poles—Colton, Calif.—C. Phillips, city clk., one carload round cedar poles, to Jones-Thorne Co., Bartlett Bldg., Los Angeles, $14.60 each, 2% discount.

See proposal advertising on page 102

Constr. News page 327

UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Sewers—Amarillo, Tex.

Bids were opened by City, Oct. 18, (lowest three and highest) for constructing sewers in West Amarillo, from (A) Dobson & Humphreys, Lincoln, Nebr., (awarded contract Items I, II and III, using Dickey tile pipe); (B) T. L. Green, Oklahoma City, Okla., (awarded contract Items III, IV and V, using bent concrete pipe); (C) Jones Construction Co., Dallas; (D) W. G. Cullum. The unit bids are as follows:

ITEM I Furnishing Vit. Tile Pipe F.O.B. Car Amarillo	A	B	C	D
81,259 lin.ft. 6 in.	$0.168	$0.1925	$0.168	$0.17
17,885 lin.ft. 8 in.	.265	.30	.265	.27
12,975 lin.ft. 12 in.	.459	.567	.459	.46
4,485 lin.ft. 15 in.	.663	.819	.663	.67
17,550 lin.ft. 18 in.	1.071	1.32	1.07	1.07
1,069 6x6 in. vit. tees std.	.672	.77	.672	.67
326 6x8 in. vit. tees std.	1.1925	1.35	1.19	1.20
42 6x12 in. vit. tees std.	2.0655	2.56	2.065	2.07
Totals	$47,310	$56,584	$47,291	$47,589
ITEM II Hauling and Installing Vit. Tile Pipe				
8,520 lin.ft. 6 in.	$0.07	$0.17	$0.07	$0.10
8,570 lin.ft. 8 in.	.09	.21	.09	.13
90 6x6 in. tees	.20	.22	.17	.10
150 6x8 in. tees	.30	.25	.23	.15
60 lin.ft. 6 in. riser pipe	.10	.10	.30	.15
71,406 lin.ft. 6 in.	.07	.17	.07	.10
9,315 lin.ft. 8 in.	.09	.21	.09	.13
12,975 lin.ft. 12 in.	.14	.25	.14	.20
4,485 lin.ft. 15 in.	.17	.30	.18	.25
17,550 lin.ft. 18 in.	.20	.36	.23	.30
979 6x6 in. vit. tees	.20	.22	.17	.10
176 6x8 in.	.30	.25	.23	.15
42 6x12 in.	.50	.40	.36	.25
1,273 lin.ft. 6 in. riser pipe	.10	.10	.30	.15
Totals	$13,759	$28,717	$14,536	$19,665
ITEM III Trenching and Back-filling Depth				
8,890 lin.ft. 4–6 ft. 6–8 in.	$0.10	$0.16	$0.15	$0.15
5,600 lin.ft. 6–8 ft.	.12	.23	.21	.20
2,000 lin.ft. 8–10 ft.	.20	.29	.27	.25
600 lin.ft. 10–12 ft.	.25	.32	.33	.40
12 std. lamphole	10.00	13.00	8.00	8.00
50 std. manhole first 4 ft.	38.00	68.00	49.50	50.00
141 addn'l. manhole ft.	6.00	3.00	7.00	6.50
Depth				
42,506 lin.ft. 4–6 ft. 6–8–12 in.	.12	.16	.15	.15
20,622 lin.ft. 6–8 ft.	.15	.23	.21	.20
7,817 lin.ft. 8–10 ft.	.22	.29	.27	.25
5,447 lin.ft. 10–12 ft.	.28	.32	.33	.40
3,200 lin.ft. 12–14 ft.	.40	.40	.39	.50
5,158 lin.ft. 14–16 ft.	.55	.44	.60	.75
2,238 lin.ft. 16–18 ft.	.70	.54	.68	1.00
2,258 lin.ft. 18–20 ft.	1.00	.60	.95	.50
2,032 lin.ft. 20–22 ft.	1.40	.69	1.05	2.00
888 lin.ft. 22–24 ft.	1.80	.70	1.38	3.00
830 lin.ft. 24–26 ft.	2.40	.80	1.50	4.00
367 lin.ft. 26–28 ft.	3.00	.86	2.16	5.00
332 lin.ft. 28–30 ft.	4.00	.92	2.50	6.00
3,270 lin.ft. 4–6 ft. 15–18 in.	.12	.22	.18	.18
2,292 lin.ft. 6–8 ft.	.15	.23	.25	.23
2,198 lin.ft. 8–10 ft.	.22	.36	.33	.28
2,425 lin.ft. 10–12 ft.	.32	.43	.41	.45
1,925 lin.ft. 12–14 ft.	.45	.57	.49	.55
2,825 lin.ft. 14–16 ft.	.60	.60	.75	.80
2,500 lin.ft. 16–18 ft.	.75	.68	.85	1.00
600 lin.ft. 18–20 ft.	1.10	.78	1.19	1.50
1,150 lin.ft. 20–22 ft.	1.50	.86	1.31	2.00
950 lin.ft. 22–24 ft.	1.90	.93	1.72	3.00
1,200 lin.ft. 24–26 ft.	2.50	2.00	2.25	4.00
350 lin.ft. 26–28 ft.	3.20	2.07	2.70	5.00
350 lin.ft. 28–30 ft.	4.25	2.14	3.00	6.00
200 lin.ft. tunnel and B.F. at Denver R.R.	5.00	4.00	3.00	5.00
196 std. manholes first 4 ft.	38.00	68.00	49.50	50.00
2,031 addn'l. manhole ft.	6.00	3.00	7.00	6.50
55 std. lampholes	15.00	13.00	8.00	8.00
Totals	$70,910	$67,159	$77,233	$94,090
Totals Items I, II and III	$131,979	$152,461	$139,061	$161,345

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Sewers—Amarillo, Tex. *(Continued)*

ITEM IV Furnishing Conc. Pipe F.O.B. Yard Amarillo				
81,259 lin.ft. 6 in.	$0.173	$0.16	$0.16	$0.17
17,885 lin.ft. 8 in.	.252	.24	.24	.27
12,975 lin.ft. 12 in.	.49	.47	.47	.47
4,485 lin.ft. 15 in.	.70	.665	.665	.67
17,550 lin.ft. 18 in.	1.05	.90	.90	1.00
1,069 6x6 in. conc. tees	.86	.82	.67	.82
326 6x8 in. conc. tees	1.36	1.30	1.19	1.30
42 6x12 in. conc. tees	2.45	2.35	2.06	2.35
Totals	$47,955	$43,568	$43,360	$46,695
ITEM V Hauling and Installing Conc. Pipe				
8,520 lin.ft. 6 in.	$0.07	$0.06	$0.07	$0.10
8,570 lin.ft. 8 in.	.09	.08	.09	.13
90 6x6 in. conc. tees	.20	.22	.17	.10
150 6x8 in. conc. tees	.30	.25	.23	.15
60 lin.ft. 6 in. conc. riser	.10	.10	.30	.15
71,406 lin.ft. 6 in.	.07	.06	.07	.10
9,315 lin.ft. 8 in.	.09	.08	.09	.13
12,975 lin.ft. 12 in.	.14	.20	.14	.23
4,485 lin.ft. 15 in.	.17	.22	.18	.30
17,550 lin.ft. 18 in.	.20	.26	.23	.25
979 lin.ft. 6x6 in. conc. tees	.20	.22	.17	.10
176 lin.ft. 6x8 in. conc. tees	.30	.25	.23	.15
42 lin.ft. 6x12 in. conc. tees	.50	.40	.36	.25
1,273 lin.ft. 6 in. riser pipe	.10	.10	.30	.15
Totals	$13,759	$14,837	$14,536	$21,156
Totals Items III, IV, and V	$132,624	$125,566	$135,130	$161,941

Engineering News-Record, Issue of December 29, 1927.

Road—Delaware

Bids were opened by State Highway Department, Dover, Sept, 28, (lowest three) for constructing Pleasant Valley School-Lincoln Highway, 2.50 mi., Contract No. 95, from (A) Sutton Contracting Co., Philadelphia, (awarded contract); (B) Development Construction Co., Baltimore; (C) George & Lynch, Dover. The unit bids are as follows:

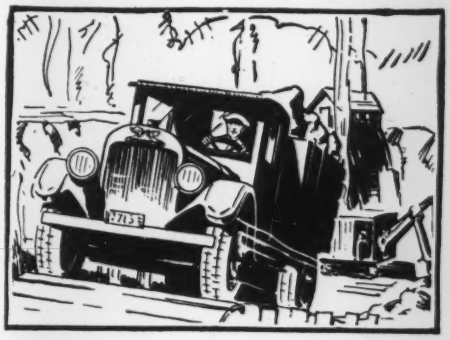
	A	B	C
1 acre clearing	$200.00	$200.00	$200.00
1 acre grubbing	400.00	200.00	300.00
8,000 cu.yd. excav.	1.10	1.10	1.25
3,600 cu.yd. borrow	1.15	1.10	1.25
1,000 cu. yd. Gravel Surface Course	1.00	1.10	1.75
2,200 cu.yd. Concrete Pavement	13.13	13.90	14.00
800 lin.ft. Long Metal Joint	.25	.18	.20
150 cu.yd. Class "A" Concrete	30.00	30.00	28.00
6,000 lb. reinforcement	.07	.10	.08
160 lin.ft. 15 in. corr. metal pipe	2.00	2.05	1.50
46 lin.ft. 15 in. R.C. pipe	2.50	2.70	2.00
30 lin.ft. 18 in. R.C. pipe	2.75	3.70	2.50
84 lin.ft. 24 in. R.C. pipe	5.00	4.70	6.00
28 lin.ft. 30 in. R.C. pipe	7.00	8.55	2.00
92 lin.ft. 36 in. R.C. pipe	10.00	9.80	8.00
100 lin.ft. relaid pipe	1.00	1.25	.50
400 lin.ft. 4 in. pipe underdrain	1.00	1.00	.60
500 sq.yd. conc. gutter	2.25	2.10	2.50
Totals	$52,225	$53,758	$55,773

Engineering News-Record, Issue of December 29, 1927.

Alexander Potter, Consulting Engineer for Union-Essex Sewer Project in New Jersey

In presenting the summary of bids on Section IV of the supplementary joint trunk sewer being constructed in Union and Essex Counties, New Jersey, in *Engineering News-Record* of Dec. 15, the name of the consulting engineer, Alexander Potter, of New York City, was inadvertently omitted. Mr. Potter's office furnished the tabulation of bids and the statement of working conditions affecting costs on this outstanding project.

UNIT PRICES Continued on Page 328a



Pile Your Winter Hauling Worries On Speed Wagons

When you need trucks to buck the strain of winter hauling and get work done *on time*, regardless of weather or rough going, you're ready for new Master Speed Wagons.

For stubborn pulling power and high speed performance under adverse conditions, the six-cylinder engine of the new Master Speed Wagon cannot be surpassed today. A single-plate clutch and double reduction steering mean easier shifting and turning in narrow quarters. Drivers are kept at the peak of efficiency in warm, comfortable cabs. Superior chassis strength and stamina defy the jolts and jars that shorten the life of ordinary trucks.

A Speed Wagon For Every Trucking Need

JUNIOR
Capacity up to one-half ton, Chassis $895

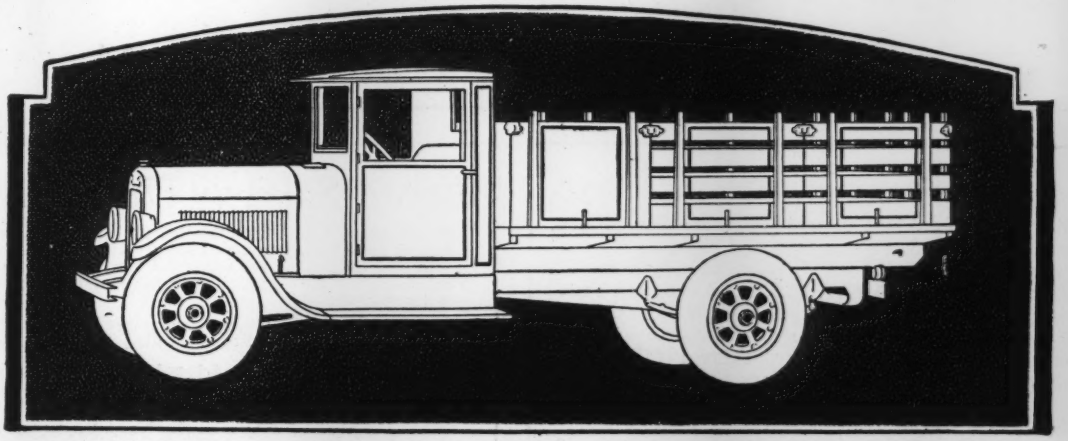
MASTER
Capacity up to two tons, Chassis $1645

STANDARD
Capacity up to a ton and a half
In 2 wheelbases, at $1345 and $1445

HEAVY DUTY
Capacity up to three tons, Chassis, $2185
Special Dual Internal Brakes
Prices at Lansing

Pile your winter hauling worries on new Master Speed Wagons, and new Master Speed Wagons will pile up profits for you. Be sure to try one out.

REO MOTOR CAR CO., *Lansing, Mich.*



6 Cylinder 4 Wheel Brakes

SPEED WAGON

Coupe Cab

for faster, surer, easier, cheaper hauling

UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Salt Creek Intercepting Sewer, Chicago, Ill.

Seven contractors submitted bids on September 22 for Contract 2 of the Salt Creek Intercepting Sewer, Chicago. The low was $1,864,720, which is 20 per cent under the high. Work consists of building 30,000 ft. of 3 ft. 6 in. to 7 ft. sewer in earth and in rock and 4,500 ft. of 12- to 27-in. pipe sewer. Includes furnishing and placing concrete, reinforcing steel, iron castings, earth and rock excavation, tunneling, backfilling, and disposal of excess material.

The tabulation gives unit prices on items 1 to 11, and 39 to 42. Items 12 to 28 are for lump sum operations, such as railroad and river crossings and drop connections. The remaining items (43 to 49) are for additional work for which the Sanitary District of Chicago has set the following prices:

	Cu.Yd.
EXCAVATION	
Rock in tunnels	$7
Rock in open cut	5
Earth in tunnel	5
Earth in open cut	3
CONCRETE	
Class A in tunnel	17
Class A in open cut	14
Class B	12

The contractors are (A) Underground Construction Co., 130 North Wells St., (awarded contract); (B) Byrne Bros. Construction Co.; (C) T. J. Forschner Contracting Co.; (D) Dowdle Bros. Co.; (E) W. J. Newman Co.; (F) Contracting & Material Co.; (G) States Corporation.

	A	B	C	D	E	F	G
3,100 lin.ft. sewer, 7 ft. internal width, in earth section	$49.00	$54.00	$48.00	$54.50	$55.00	$59.00	$55.50
6,600 lin.ft. sewer, 7 ft. internal width, in rock section	69.00	70.00	73.00	80.00	70.00	75.00	95.00
6,900 lin.ft. sewer, 5 ft. 9 in. internal width, in earth section	39.00	45.00	41.00	49.00	46.00	50.00	46.00
5,500 lin.ft. sewer, 5 ft. 9 in. internal width, in rock section	62.00	60.00	68.00	71.50	63.00	66.00	90.00
5,800 lin.ft. sewer, 3 ft. 6 in. internal width, in earth section	35.00	32.00	32.00	43.00	43.00	40.00	36.25
2,100 lin.ft. sewer, 3 ft. 6 in. internal width, in rock section	60.00	62.00	65.00	62.00	62.00	55.00	55.50
640 lin.ft. 27 in. pipe sewer	8.00	6.00	8.50	20.50	9.00	10.00	17.50
1,320 lin.ft. 24 in. pipe sewer	7.00	5.50	8.00	23.50	6.00	10.00	15.00
880 lin.ft. 21 in. pipe sewer	12.00	9.00	13.50	28.50	10.00	14.00	17.50
1,400 lin.ft. 18 in. pipe sewer	18.00	15.00	19.00	26.00	15.00	15.00	16.00
260 lin.ft. 12 in. pipe sewer	10.00	10.00	8.50	15.50	8.00	10.00	12.00
1,800 lin.ft. standard manholes	20.00	35.00	22.00	20.00	27.00	40.00	20.00
280 lin.ft. manholes in rock	15.00	60.00	90.00	19.00	50.00	80.00	50.00
600,000 lb. reinforcing steel	.07	.09	.08	.06	.08	.10	.06
60,000 lb. iron castings and miscellaneous metals	.15	.18	.20	.08	.20	.20	.10
Totals	$1,864,720	$1,953,920	$1,975,390	$2,092,270	$2,137,460	$2,219,120	$2,245,820

Engineering News-Record, Issue of December 29, 1927.

Road—California

Bids were opened by California Highway Commission, Sacramento, Dec. 5, (lowest four and highest) for constructing highway in Placer County, Div. 3, Route 37, Sections A-B, from (A) W. A. Bechtel Co., San Francisco, (awarded contract); (B) Sacramento Contracting Co., Sacramento; (C) Holdener Construction Co., Sacramento; (D) Otto Parlier, Tulare; (E) E. B. Skeels, Roseville. The unit bids are as follows:

	A	B	C	D	E
20,960 cu.yd. roadway excavation (without classification)	$0.60	$0.70	$0.50	$0.77	$1.10
1,140 cu.yd. structure excavation (without classification	1.25	1.00	2.00	2.00	1.75
24,695 sta.yd. overhaul	.02	.02	.02	.02	.03
1,565 cu.yd. class "B" portland cement concrete	14.00	15.00	14.75	14.00	16.00
260 cu.yd. class "A" portland cement concrete	15.50	15.00	20.25	15.50	20.00
6,350 lb. reinforcing steel	0.6	.055	.06	.05	.07
211 lin.ft. 12-in. cor. met. pipe	.75	.50	1.00	1.50	.75
80 lin.ft. 18-in. cor. met. pipe	1.00	.75	1.25	1.60	1.00
76 lin.ft. 24-in. cor. met. pipe	1.25	.85	1.50	1.75	1.25
2,060 cu.yd. structure backfill	1.00	.85	2.00	.60	1.50
Totals	$43,209	$46,011	$46,529	$46,984	$59,900

Engineering News-Record, Issue of December 29, 1927.

Latest Subway Unit Prices

All unit prices on $21,256,380 worth of new subway contracts in New York City and Philadelphia have been printed in convenient and permanent form for use and for filing. These have not been published in *Engineering News-Record —not a reprint.*

This 8-page pamphlet gives the summaries of bids of thirty-nine (39) contractors on the following subway projects:

Route 8, Sections 6 A-1 and 6 E-2, Brooklyn, N. Y., station finish, 6 bidders; $240,509.

Route 109, Section 1, Brooklyn, N. Y. C.; 19 bidders, $3,758,992.

Route 45, Sections 1 and 2, Manhattan, N. Y. C.; 8 bidders, $9,986,999. This line passes under the Municipal Building.

Contract 109, Broad St. Subway, Philadelphia, Pa.; 6 bidders, $7,269,880.

INCLUDED—A list of the contractors who built and are building the New York City subways from 1921 through 1927. There are 46 separate contracts ranging from $45,165 to $22,282,309, and averaging $4,400,000, and totaling $201,891,355.

All for one (1) dollar—While they last

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